



National Weather Service

**AHPS Configuration
Management System
(AHPS CMS) ver 4.1**



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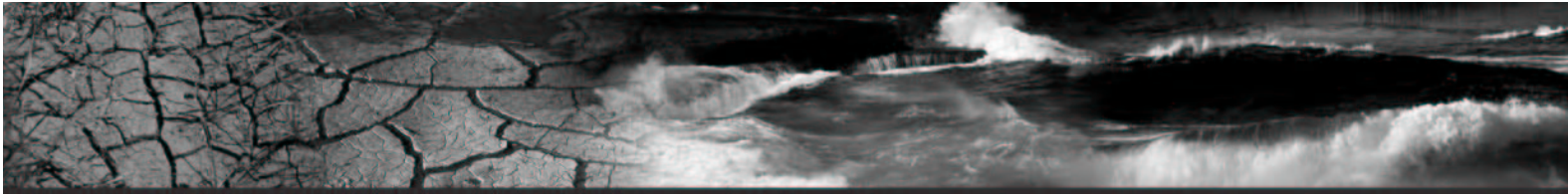
Background

The AHPS Configuration Management System (AHPS CMS) is a web based interface designed to manage a National AHPS Web configuration database. This release of the AHPS CMS Version 4.0 will provide users with more control over the configurable items on WFO AHPS Web pages. This new interface/database provides users with the following advantages:

- Integration of the NRLDB Values into the AHPS CMS interface
- Ability to configure PEDTS Data fail-over for HydroGen
- Elimination of Tiger Maps and Introduction of Google Mapping Interface
- Provide the ability to suppress plotting of observation and forecast data
- Selectable Hydrograph “Flow Units”

Moving the AHPS web configuration data to a completely database driven environment opens up a variety of possibilities for future AHPS web page enhancements such as the following.

With the release of the NWS CMS, a modular experience has been created. Instead of utilizing “hard-coded” fixed button navigation, users can transition seamlessly throughout the AHPS CMS and NWS CMS (access permitting) by usage of a tabular and dropdown navigation that coincides with the Web presence that is currently implemented on the NWS homepage www.weather.gov. This allows NWS CMS and AHPS CMS to achieve an overall better NWS standard “look and feel”. Following the sections on browser requirements and access information below are instructions on how to use the navigational features as well as graphical representations of what users can expect to encounter when they login to the AHPS CMS.



Web Browser Requirements

This document assumes that end users will either be using Internet Explorer 6.0, Mozilla Firefox 3.0, Netscape Navigator 7.0 or newer browsers.

Data/Password Security

All web browser connections to the AHPS CMS are encrypted via the standard Secure Sockets Layer (SSL) protocol. Mozilla Firefox, Netscape Navigator and Internet Explorer all support SSL, and by convention, URLs that require an SSL connection start with https:// instead of http://. The AHPS CMS does not store any passwords and makes a secure SSL connection to a national LDAP server to authenticate users when logging in.

Support Contact Information

If you happen to encounter any issues with AHPS, please report them through the NWS Telecommunications Operations Center (TOC) trouble ticket system. The email address is:

TOC.NWSTG@noaa.gov

AHPS 24/7 Support Contact Phone:
NWS Telecommunications Operations Center (TOC)
(301) 713-0902



User Accounts/Access

User accounts can be configured to allow access to configuration data for an individual WFO HSA, groups of HSAs, NWS Regions, and/or national access. Current user account configuration is based on information provided by the NWS Regions and can be modified as needed upon request. Please contact your Region to request any user or account changes.

Once an account has been configured for a user, they will receive email from **nws.cms@noaa.gov**. This email contains information on how and where to log into the AHPS CMS. An example is provided below:

Example email:

From: NWS CMS <nws.cms@noaa.gov>
Date: Wednesday, February 1, 2010 10:48 am
To: john.doe@noaa.gov
Subject: New NWS CMS Account

You have been given access to the NWS Configuration Management System (NWS CMS) interface. Your password is the same as your normal NOAA password and will change whenever you change your NOAA password.

You have been given access to the following CMS(s)

AHPS CMS

The URL for NWS CMS interface is:

<https://nwscms.weather.gov/>

Your username is "john.doe@noaa.gov".

Support Information

The URL for AHPS CMS User Documentation is:

https://nwscms.weather.gov/nwscms/pdf/AHPS_CMS.pdf

You can email TOC.NWSTG@noaa.gov with any questions or comments about the AHPS CMS interface or for immediate 24x7 NWS CMS support, please call:

(301) 713-0902.

Regards,
The NWS CMS Admin Team



AHPS CMS URL

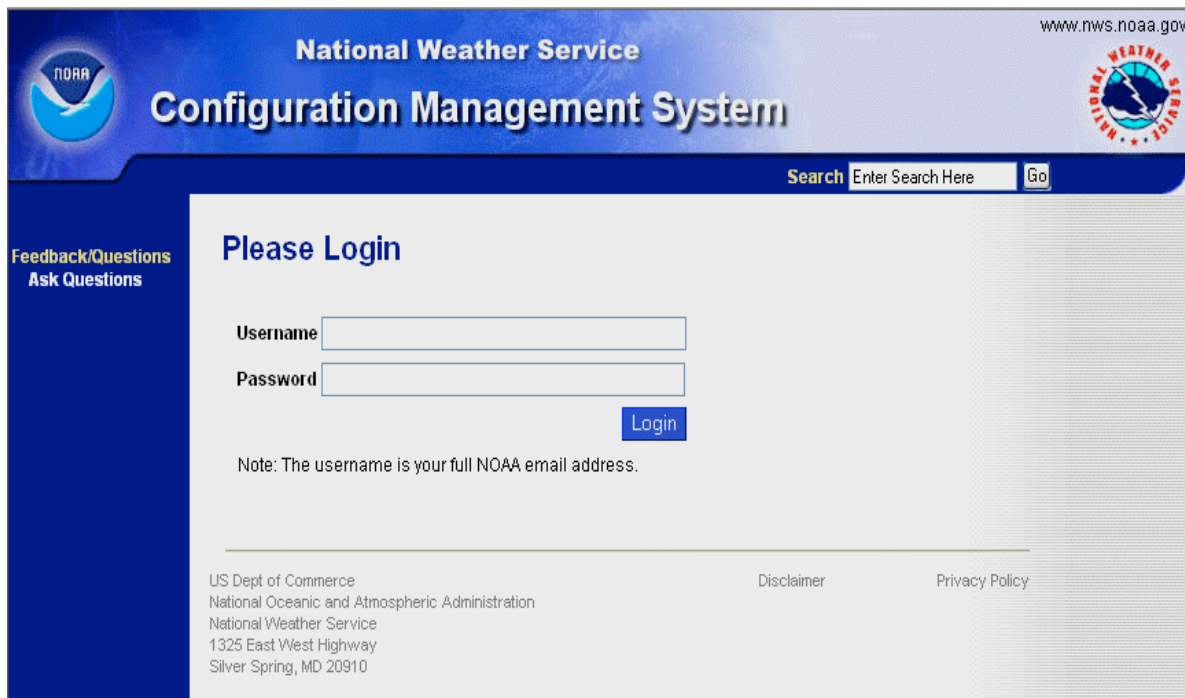
The AHPS CMS can be accessed at the following URL:

<https://nwscms.weather.gov>

Important note: The URL for the AHPS CMS interface may need to be changed in the future. If this becomes necessary, several weeks notice will be provided before any URL change is implemented.

Logging into the AHPS-CMS

***Important Note:** All the following graphics show the interface in Microsoft Internet Explorer 6.0. The interface may look slightly different depending on the browser you are using.



The screenshot shows the login page for the National Weather Service Configuration Management System. The header features the NOAA logo, the text "National Weather Service Configuration Management System", and the URL "www.nws.noaa.gov". A search bar is located on the right. On the left, there is a "Feedback/Questions Ask Questions" link. The main content area is titled "Please Login" and contains a "Username" field, a "Password" field, and a "Login" button. A note states: "Note: The username is your full NOAA email address." At the bottom, there is contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910, along with links for "Disclaimer" and "Privacy Policy".

Figure 1: AHPSCMS Login Page

To log into the AHPS CMS site shown in (**Figure 1**); use your full noaa.gov email address i.e. "john.doe@noaa.gov" and your email account password then click on [Login](#). See (**Figure 2**).

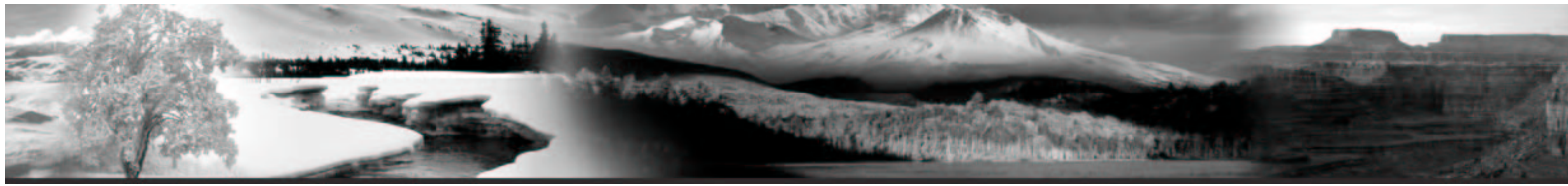
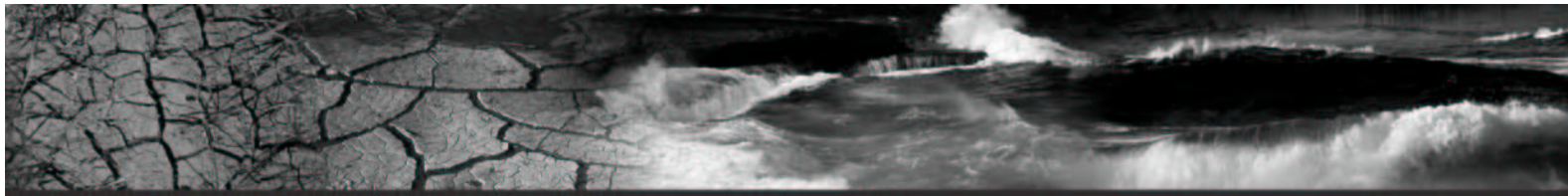


Figure 3: Notice to Users Page

Using the New Interface

After clicking on [Accept](#), the end user could see one or multiple NWS CMS Modules depending on the user's access configuration. (**Figure 4**) shows links for AHPS and NWS WFO. In order to access the AHPS CMS, users need to click [AHPS](#). Users will then be directed to a page like the one seen in (**Figures 5 and 6**) which displays links for one or multiple WFOs. In either case, users will select the WFO they wish to view or make Web configuration changes to. Also if users have access to more than one WFO, they can easily sort the lists alphabetically by city or 3-letter WFO ID by clicking either **City** or **Abbrev.**

****Important Note:** Throughout the rest of this document, WFO Caribou, ME (CAR) and the sensors located within their area of responsibility will be referenced unless otherwise noted. This is only to decrease the complexity of the documentation. All questions not covered by this documentation will be answered via email or phone, and any reoccurring questions will also be added to the FAQ/Help section of the AHPS CMS web site.



The screenshot shows the 'National Weather Service Configuration Management System' interface. The header includes the NOAA logo, the title 'National Weather Service Configuration Management System', and the URL 'www.nws.noaa.gov'. A search bar is located in the top right. The left sidebar contains links for 'CMS Category' (AHPS, NWS WFO, Logout), 'About NWS CMS' (FAQ / Help), and 'Feedback/Questions' (Ask Questions). The main content area is titled 'NWS CMS Options' and prompts the user to 'Please choose your administrative destination:'. Below this are two buttons: 'AHPS' and 'NWS WFO'. At the bottom, there is contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910, along with links for 'Disclaimer' and 'Privacy Policy'. A footer note states 'choose.php last modified at Thu Jan 26 4:48:39 EDT 2006.'

Figure 4: NWS CMS Module Selection Page

The screenshot shows the 'National Weather Service AHPS' interface. The header includes the NOAA logo, the title 'National Weather Service AHPS', and the URL 'www.nws.noaa.gov'. A search bar is located in the top right. The left sidebar contains links for 'CMS Category' (AHPS, NWS WFO, Logout), 'About AHPS CMS' (FAQ / Help), and 'Feedback/Questions' (Ask Questions). The main content area shows a list of WFOs. At the top, there are buttons for 'AHPS' and 'NWS WFO'. Below these is a section titled 'Options:' with a dropdown menu set to '- Pick WFO' and a 'Go' button. A message states 'Click on a column name (City or Abbrev) to sort the WFOs by that column.' Below this is a table with two columns: 'City' and 'Abbrev'. The first row of data shows 'Caribou, ME' under 'City' and 'CAR' under 'Abbrev'. At the bottom, there is contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910, along with links for 'Disclaimer' and 'Privacy Policy'. A footer note states 'wfopick.php last modified at Thu Jan 26 10:01:22 EDT 2006.'

Figure 5: One WFO (WFO Caribou, ME)



National Weather Service
AHPS

www.nws.noaa.gov

CMS Category

AHPS

NWS WFO

Logout

About AHPS CMS

FAQ / Help

Feedback/Questions

Ask Questions

AHPS

NWS WFO

Options:

- Pick WFO

Go

Click on a column name (City or Abbrev) to sort the WFOs by that column.

City	Abbrev
(Baltimore/Washington) Sterling, VA	LWX
Albany, NY	ALY
Binghamton, NY	BGM
Blacksburg, VA	RNK
Boston, MA	BOX
Buffalo, NY	BUF
Burlington, VT	BTY
Caribou, ME	CAR
Charleston, SC	CHS
Charleston, WV	RLX
Cleveland, OH	CLE
Columbia, SC	CAE
Gray, ME	GYX
Greenville-Spartanburg, SC	GSP
Newport/Morehead City, NC	MHX
Philadelphia/Mount Holly, NJ	PHI
Pittsburgh, PA	PBZ
Raleigh, NC	RAH
State College, PA	CTP
Upton, NY	OKX
Wakefield, VA	AKQ
Wilmington, NC	ILM
Wilmington, OH	ILN

US Dept of Commerce

National Oceanic and Atmospheric Administration

National Weather Service

1325 East West Highway

Silver Spring, MD 20910

Disclaimer

Privacy Policy

Figure 6: Multiple WFOs

Once users arrive on this page they can observe the new tabular NWS CMS module navigation and the new “Options” dropdown selection box; (**Figures 7 and 8**) below highlight the new navigational items and briefly discuss how they are used.

Tabular NWS CMS Module Navigation

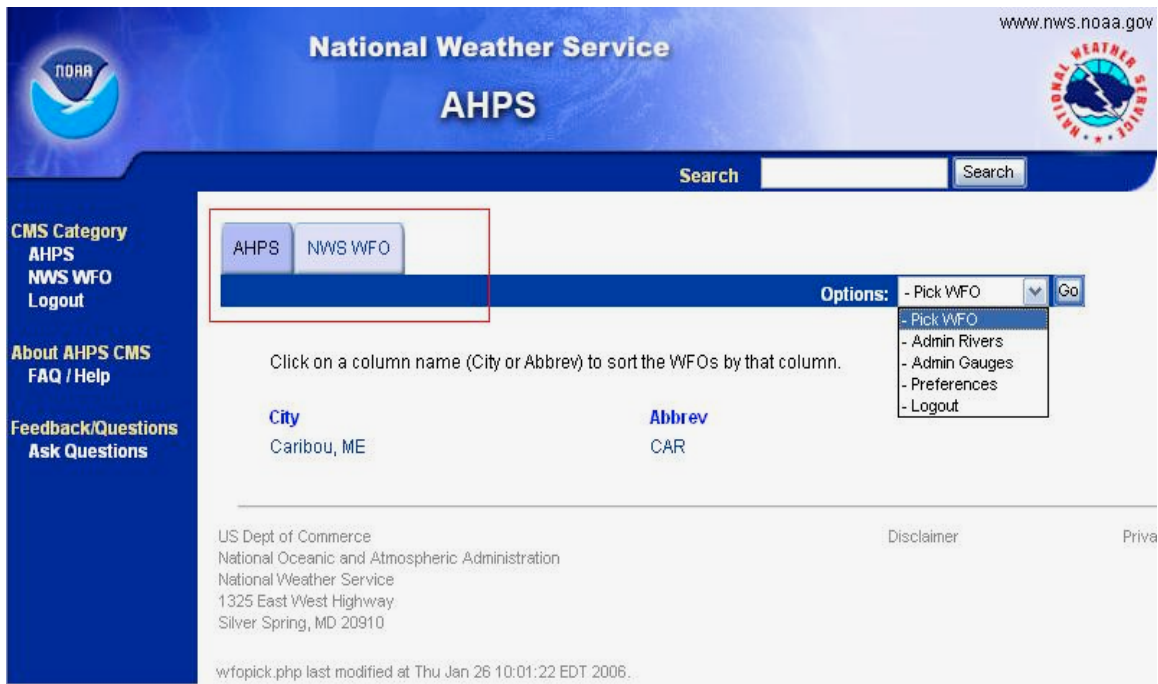


Figure 7: NWS CMS Tabular Module Navigation

Now that the NWS CMS has been built to provide a modular experience, users can simply mouse over the appropriate tab of the module they wish to edit and click; this action will redirect the users to the selected NWS CMS module. In **(Figure 7)** above, the user has access to two separate NWS CMS Modules, AHPS CMS and NWS WFO CMS. This user has the ability to configure items related to their WFO/HSA or make changes to one or more WFO's information depending upon their access configuration. NWS WFO CMS will be covered in the **Appendix** of this document.

“Options” Dropdown Selection Box

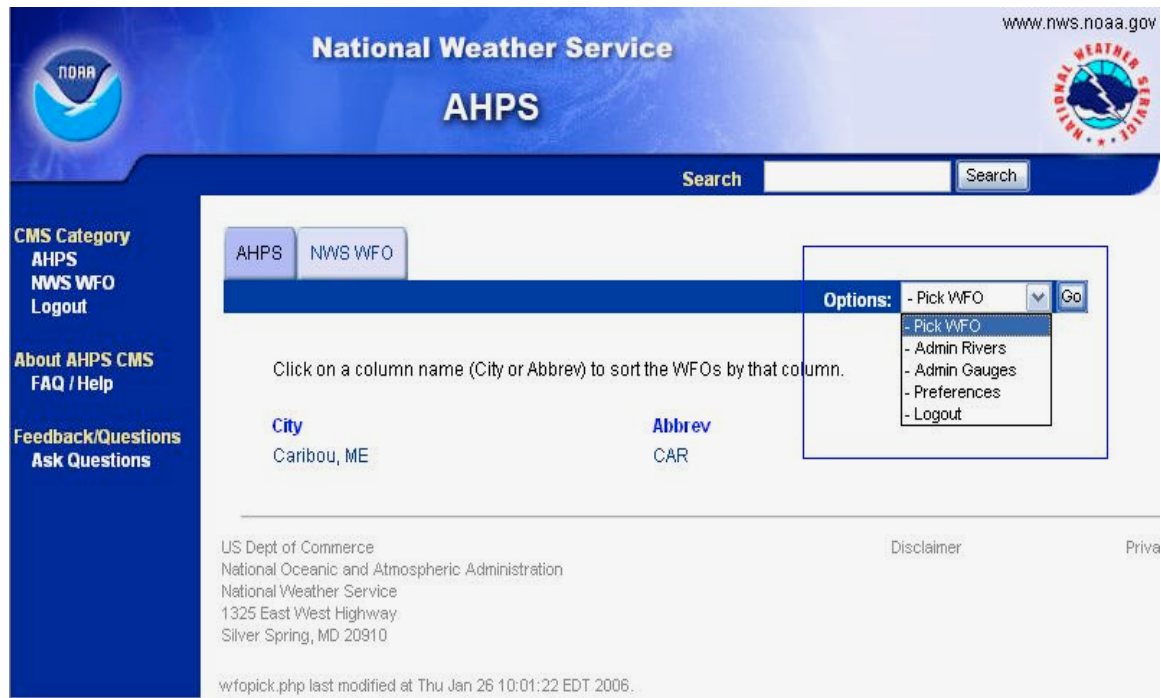


Figure 8: Intra-Module Navigation via “Options” Dropdown Selection Box

Once users have selected a module to configure, in this case AHPS CMS, they can choose to navigate within the options associated with that level of the module. In this case the user has not selected his/her WFO/HSA CAR so they only have the options that are associated with the AHPS CMS and themselves such as, Admin Rivers, Admin Gauges, Preferences and the WFO selection. However, once the WFO/HSA has been selected more options will appear in this dropdown selection area as the module has been provided with additional information. These will be items such as the Rivers, Gauges and WFO/HSA AHPS configuration items.

NWSLID Selection Page – Gauges Page

Once a user selects a WFO, in this case WFO CAR in (**Figure 5**), the NWSLIDs for gauges managed by the WFO are listed in alphabetical order by NWSLID. This list is also downloadable when using a browser other than Internet Explorer. See (**Figure 9**).

The screenshot displays the NWSLID Selection Page – Gauges Page. The page features a blue header with the NOAA logo and the text "National Weather Service AHPS". A search bar is located in the top right corner. On the left side, there is a CMS Category dropdown menu with options: AHPS, NWS WFO, and Logout. Below this, there are links for "About AHPS CMS", "FAQ / Help", and "Feedback/Questions Ask Questions".

The main content area shows a table of NWSLIDs and their location names, sorted alphabetically by NWSLID. The table has two columns: "NWSLID" and "Location Name".

NWSLID	Location Name
ALLM1	Allagash River above Allagash
BBRM1	Big Black River near Depot Mountain
BLAM1	Piscataquis River at Blanchard
DICM1	St. John River at Dickey
DOVM1	Piscataquis River at Dover-Foxcroft
EDDM1	Penobscot River at Eddington
FIHM1	Fish River at Fort Kent
FTKM1	St. John River at Fort Kent
MASM1	Aroostook River at Masardis
NINM1	St. John River at Nine Mile Bridge
WENM1	Penobscot River at West Enfield
WSHM1	Aroostook River at Washburn

Below the table, there is a link: [Download Gauge List](#) (not available in IE).

The footer contains the following information:

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Disclaimer Privacy Policy

gagelist.php last modified at Fri Jan 6 7:04:12 EDT 2006.

Figure 9: NWSLID Selection Page

Preferences Page

The Preferences Page (**Figure 10**) allows the user to control **Real-time, Daily Summary and Gauge Update** email notification settings. A Real-time email includes changes that are made throughout the day and are transmitted as changes are made. A Daily Summary email includes all AHPS CMS changes made for a 24-hour period and is transmitted once every 24 hours.

A gauge update email notification is an email/feature that sends out 2 types of email notifications:

Data Monitoring Email

- 1.) The system will notify users that are associated with an HSA that has gauges that have not updated for more than 12 hours.

HSA Gauge Status Email - 12z

- 2.) Around 12z a process runs to check the status of all HSAs' gauges; this process sends out a gauge status email that notifies users if their HSA has gauges that are not updating. If all gauges are updating correctly users will not receive this email.

The screenshot displays the 'National Weather Service AHPS' interface. At the top, there's a header with the NOAA logo and the text 'National Weather Service AHPS'. Below this is a search bar and navigation links for 'NWS' and 'All NOAA'. The main content area is titled 'Security User Edit john.doe@noaa.gov'. Under 'Email Options', there are three settings: 'Real-time' set to 'No', 'Daily Summary' set to 'Yes', and 'Gauge Update' set to 'Yes'. An 'Update' button is located to the right of these settings. The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, and links for 'Disclaimer' and 'Privacy Policy'.

Figure 10: Preferences Page

Admin Rivers Page

The Admin Rivers Page (**Figure 11**) allows a user to add a new Creek, River, or Reservoir to the AHPS CMS database. ****Important Note:** Please use the “**Browse By Name:**” feature to verify that the water body is not in the database prior to trying to add a new water body. Additionally, this page allows the user to modify the spelling and delete water bodies from the database.

**** Please use [Delete](#), [Update](#) and [New](#) commands with Extreme Caution! Deletion Confirmation and Update Confirmation will be discussed on the following pages ****

The screenshot displays the 'Admin Rivers By Name - I' page. The header includes the NOAA logo, 'National Weather Service', 'AHPS', and the URL 'www.nws.noaa.gov'. A search bar is present. The left sidebar contains links for 'CMS Category', 'About AHPS CMS', and 'Feedback/Questions'. The main content area shows a list of rivers and creeks with 'Update' and 'Delete' buttons for each. A 'New' button is at the bottom. The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, and a disclaimer.

River	Commands
Ikpikpuk River	Update Delete
Iliamna River	Update Delete
Illinois River	Update Delete
Imnaha River	Update Delete
Independence Creek	Update Delete
Indian Creek	Update Delete
Indian Fork	Update Delete
Indian River	Update Delete
Iowa River	Update Delete
Iroquois River	Update Delete
Issaquah Creek	Update Delete
	New

Browse By Name:
[1](#):[2](#):[3](#):[4](#):[5](#):[6](#):[7](#):[8](#):[9](#):[A](#):[B](#):[C](#):[D](#):[E](#):[F](#):[G](#):[H](#):[I](#):[J](#):[K](#):[L](#):[M](#):[N](#):[O](#):[P](#):[Q](#):[R](#):[S](#):[T](#):[U](#):[V](#):[W](#):[X](#):[Y](#):[Z](#)

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

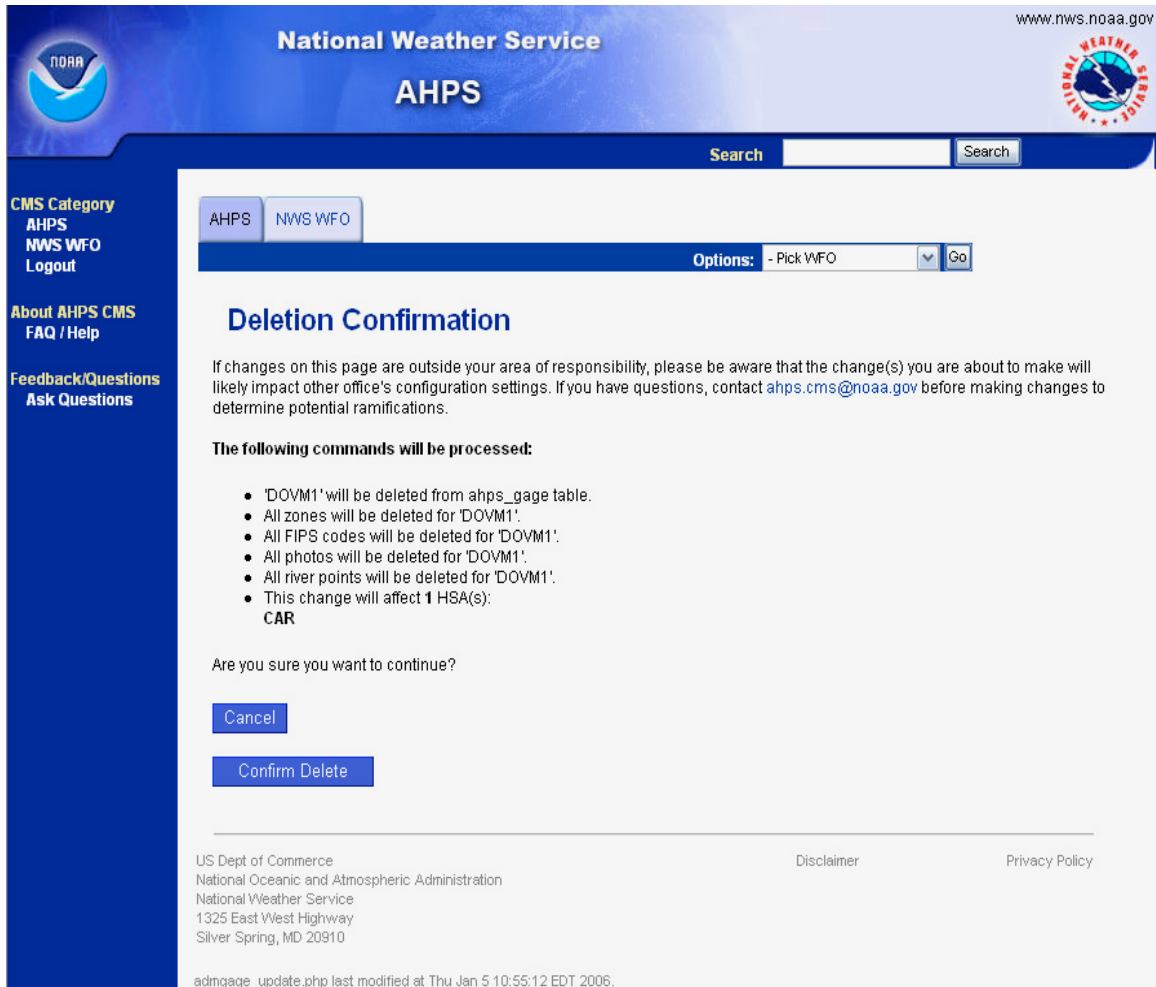
Disclaimer Privacy Policy

adm rivers.php last modified at Fri Dec 16 7:49:09 EDT 2005.

Figure 11: Admin – Rivers Page

Deletion Confirmation

Once a user has decided to **Delete** an item in the AHPS CMS, a Deletion Confirmation Page will appear discussing the possible consequences of this action. This allows the user to confirm that what they are deleting will not adversely affect other WFOs as well as their own office. See (**Figure 12**).



The screenshot shows the AHPS (Automated Hydrologic Prediction Service) web interface. The header includes the NOAA logo, "National Weather Service", and "AHPS". A search bar is present. The left sidebar contains links for "CMS Category", "AHPS", "NWS WFO", "Logout", "About AHPS CMS", "FAQ / Help", and "Feedback/Questions Ask Questions". The main content area is titled "Deletion Confirmation". It contains a warning message about the potential impact of changes and a list of commands to be processed. The commands include deleting 'DOVM1' from the ahps_gage table, deleting all zones, FIPS codes, photos, and river points for 'DOVM1', and affecting 1 HSA(s): CAR. Below the list, there is a question "Are you sure you want to continue?" and two buttons: "Cancel" and "Confirm Delete". The footer includes contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, and a disclaimer/privacy policy link.

National Weather Service
AHPS

Search [] Search

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

AHPS NWS WFO

Options: - Pick WFO [v] Go

Deletion Confirmation

If changes on this page are outside your area of responsibility, please be aware that the change(s) you are about to make will likely impact other office's configuration settings. If you have questions, contact ahps.cms@noaa.gov before making changes to determine potential ramifications.

The following commands will be processed:

- 'DOVM1' will be deleted from ahps_gage table.
- All zones will be deleted for 'DOVM1'.
- All FIPS codes will be deleted for 'DOVM1'.
- All photos will be deleted for 'DOVM1'.
- All river points will be deleted for 'DOVM1'.
- This change will affect 1 HSA(s):
CAR

Are you sure you want to continue?

Cancel

Confirm Delete

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Disclaimer Privacy Policy

admgage_update.php last modified at Thu Jan 5 10:55:12 EDT 2006.

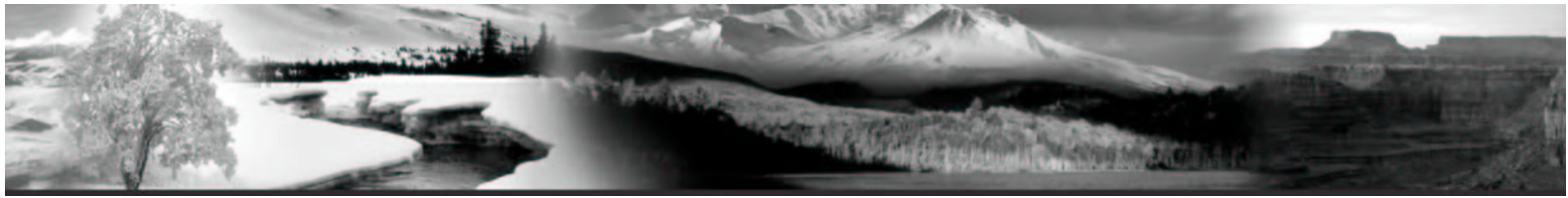
Figure 12: Deletion Confirmation Page

Update Confirmation

Once a user has decided to **Update** an item in the AHPS CMS, an Update Confirmation Page will appear discussing the possible consequences of this action. This allows the user to confirm that what they are changing will not adversely affect other WFOs as well as their own office. See (**Figure 13**).

The screenshot shows the National Weather Service AHPS interface. The header includes the NOAA logo, 'National Weather Service', 'AHPS', and the URL 'www.nws.noaa.gov'. A search bar is located in the top right. The left sidebar contains links for 'CMS Category', 'AHPS', 'NWS WFO', 'Logout', 'About AHPS CMS', 'FAQ / Help', and 'Feedback/Questions Ask Questions'. The main content area has tabs for 'AHPS' and 'NWS WFO'. Below the tabs is an 'Options:' dropdown menu set to '- Pick WFO' with a 'Go' button. The title of the page is ''Agua Fria River' Update Confirmation'. The text below the title states: 'If changes on this page are outside your area of responsibility, please be aware that the change(s) you are about to make will likely impact other office's configuration settings. If you have questions, contact ahps.cms@noaa.gov before making changes to determine potential ramifications.' Below this, it says 'The following commands will be processed:' followed by a bulleted list: '• 'Agua Fria River' will be renamed to 'Agua Fria River N'' and '• This change will affect 3 HSA(s) : FGZ, PSR, TEST'. A question 'Are you sure you want to continue?' is followed by 'Cancel' and 'Confirm Update' buttons. The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910, along with links for 'Disclaimer' and 'Privacy Policy'. A timestamp at the bottom reads 'admrivers_confirm.php last modified at Wed Feb 1 7:21:10 EDT 2006.'

Figure 13: Update/Approval Confirmation Page



Admin Gauges Page

The Admin Gages Page (**Figure 14**) allows users to add/delete gauge(s) for a particular WFO. In the drop down box labeled **WFO**, users will select the WFO location they wish to add or delete gauges. If adding a new gauge, users must first enter the gauge NWSLID (SHEF) in the text box labeled **NWS LID** and click the **New** button. See (**Figure 15**).

Figure 14: Admin – Gauges Page (Example 1)

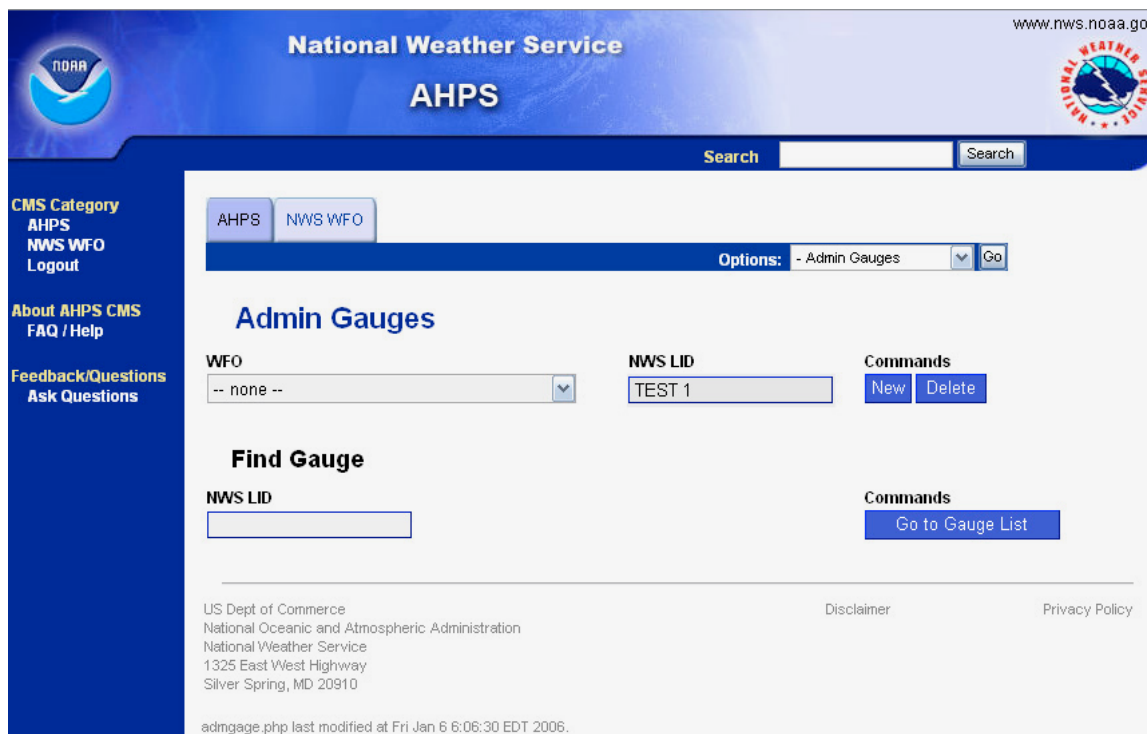
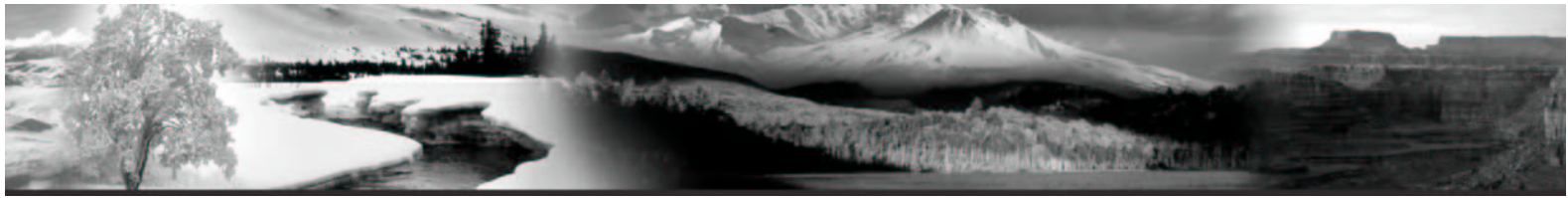


Figure 15: Admin – Gauges Page (Example 2)

Once the new gauge has been added it will take users to a new gauge configuration page for this location. See (**Figure 15**). A fully configured gauge data page is shown in (**Figures 17 and 18**). If editing an existing gauge, enter the NWSLID of the gauge in text box labeled **NWS LID** under the **Find Gauge** section of the Admin Gauges Page. Then click the **Go to Gauge List** button to bring up the desired gauge for editing. The ending result should look similar to (**Figures 17 and 18**).



Gauge Configuration Page

Once a user selects a WFO, in this case WFO (CAR) in (**Figure 5**), the NWSLIDs for gauges managed by the WFO are listed in alphabetical order by NWSLID. See (**Figure 16**).

National Weather Service
AHPS

www.nws.noaa.gov

Search Search

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

AHPS NWS WFO

Options: - Gauges Go

NWSLID	Location Name
ALLM1	Allagash River above Allagash
BBRM1	Big Black River near Depot Mountain
BLAM1	Piscataquis River at Blanchard
DICM1	St. John River at Dickey
DOVM1	Piscataquis River at Dover-Foxcroft
EDDM1	Penobscot River at Eddington
FIHM1	Fish River at Fort Kent
FTKM1	St. John River at Fort Kent
MASM1	Aroostook River at Masardis
NINM1	St. John River at Nine Mile Bridge
WENM1	Penobscot River at West Enfield
WSHM1	Aroostook River at Washburn

[Download Gauge List](#) (not available in IE)

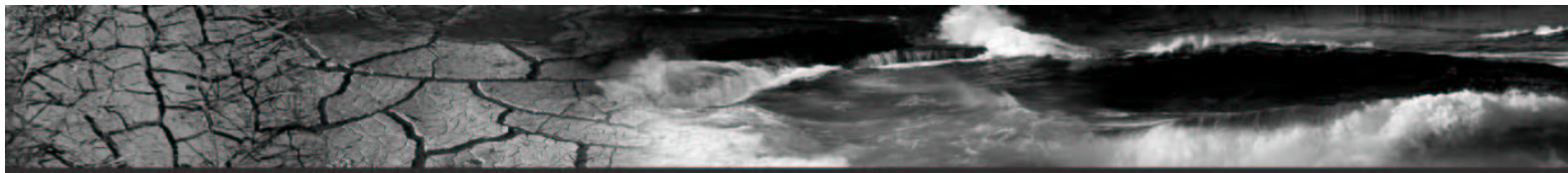
US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Disclaimer Privacy Policy

gagelist.php last modified at Fri Jan 6 7:04:12 EDT 2006.

Figure 16: NWSLID Selection Page

Once a NWSLID is selected in (**Figure 16**), a gauge configuration page is displayed (**Figures 17 and 18**) which allows the user to input data or select configuration settings for the selected NWSLID.



AHPS

Options: - Admin Gauges Go

CAR - Edit Gauge DOVM1

The gauge was successfully updated.

River Name [Gauge List](#)

Proximity

Location Name

State

Adjacent State For RSS selection and display.

Time Zone

REC

Action (NRLDB) 9

Flood (NRLDB) 11

Moderate (NRLDB) 15

Major (NRLDB) 19

Flood Category Type (in feet)

Low Water Threshold feet

Hydrograph

Disclaimer/Message

Forecast Reliability

Forecast Status

Probabilistic Site

Volume Exceedance (for Entire Period)

Graph Available

Pool Exceedance

Location (YYYY-MM-DD)

Probabilistic Start Date (YYYY-MM-DD)

Display Number of Historic Crests

Display Number of Low Water Events

Display Low Water Impacts

[Edit Impacts](#)

COE ID

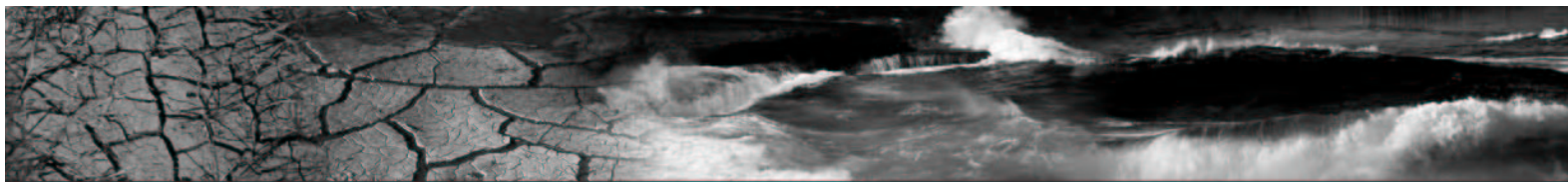
COE URL

USGSID (NRLDB)

Low Flow Display

Figure 17a: Gauge Configuration Page (Image 1)

Users familiar to the interface may notice that Flood Category Values are no longer editable within the AHPS CMS interface. This information is populated from the NRLDB and if edits to these values are needed, they will need to be made within AWIPS. Also users have the ability to display and edit “Low Water Impacts”



COE ID Not Defined

COE URL

USGSID (NRLDB)

Low Flow Display

Enter text or HTML here that you wish to appear as "Additional Information":

Display Unique Additional Information

Give Data Attribution

Attribution Wording Observations Courtesy of

Attribution URL

Attribution ALT Text (HydroGen Only)

Monitor Gauge

FIPS

FIPS Code

Commands

NWS Forecast Zone

Zone Code

Commands

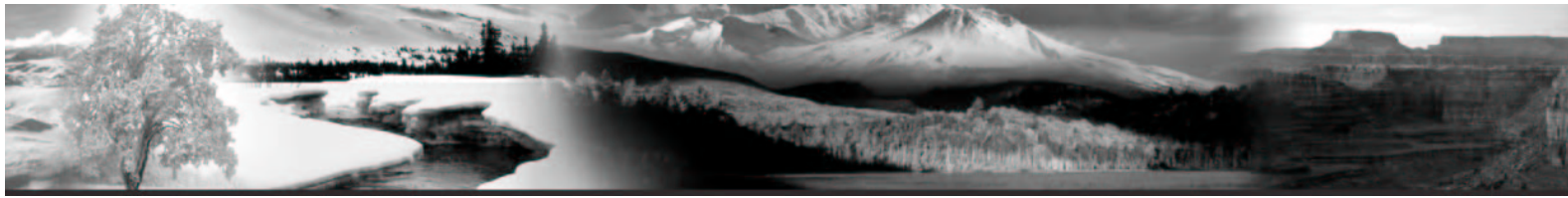
Photo

Photos with no caption specified will not display on the hydrograph page.

Figure 17b: Gauge Configuration Page (Image 2)

Many of the items shown in (**Figure 17a and 17b**) are self-explanatory and only the new or enhanced items on the gauge configuration page will be covered in detail at this time.

Highlighted on this page are the new configuration items that will be discussed in more detail. In orange on Figure 17a are the low water impacts (discussed later in detail); this menu links to a page where users can edit these impacts and order them as necessary. On 17b (seen above) there is also an orange menu button grouping that contains configuration items that are specific to the topic.



Gauge Map Configuration (Google Maps)

Gauge Map Configuration

Use the plus and minus controls to set the zoom level of the map then press the **Update** button to save your changes.

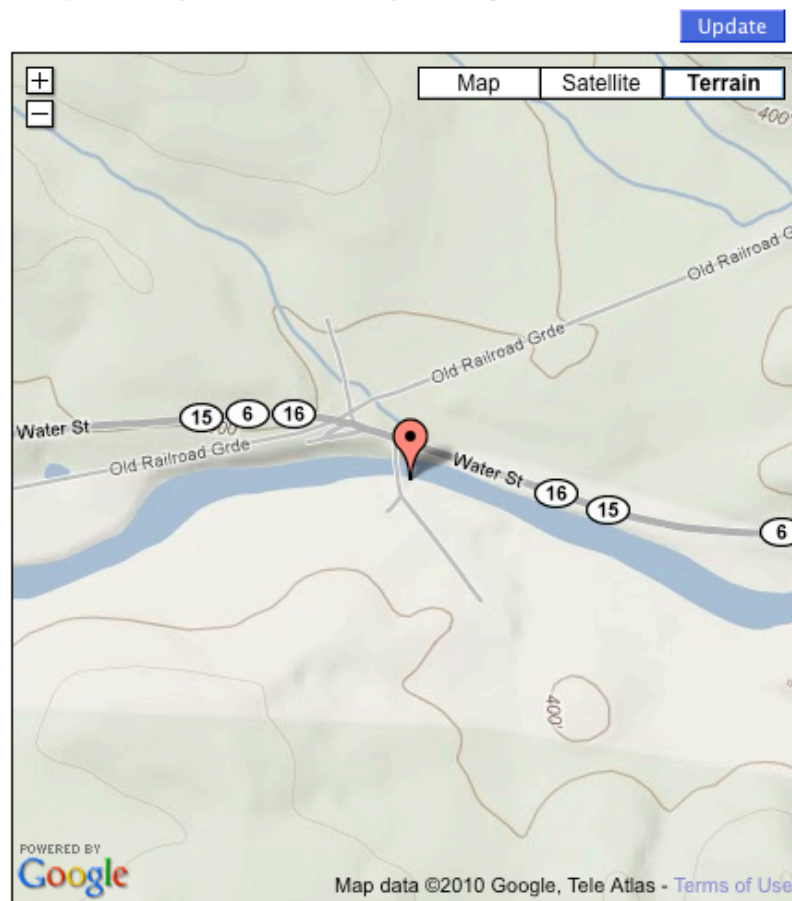


Figure 18: Gauge Configuration Page (Image 3)

In previous versions of AHPS Tiger Maps were utilized for Gauge Maps and had to be built and uploaded. With the new release of the AHPS CMS, users are provided with an adjustable zoom Google Maps interface for the gauge location. Users simply need to click the + / - signs and click update.



Low Water Impacts

AHPS

Options: - Admin Gauges Go

Low Water Impacts for DOVM1

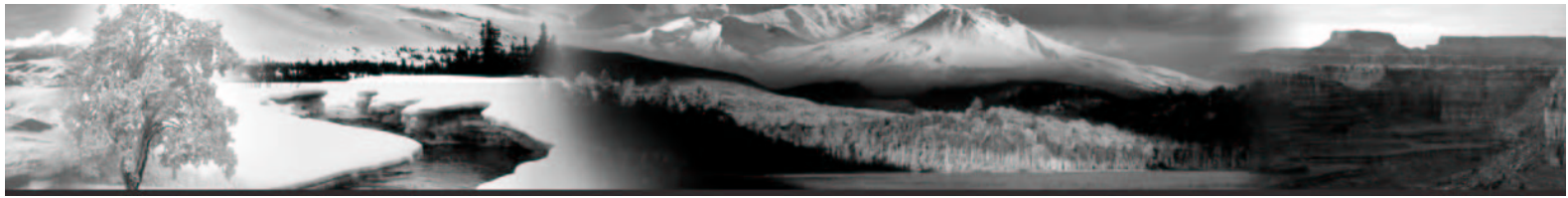
The new impact statement was successfully added.

Low Water Value/Range	Impact Text	Commands
5.0 kcfs	Flow affect text goes here.	Update Delete Move Down
5.2 kcfs	Additional text goes here.	Update Delete Move Up
		Add

Return to Gauge Editor

Figure 19: Low Water Impacts Edit Page

(**Figure 19**) Shows the Low Water Impacts edit page. When users select "Yes" to display Low Water Impacts, and **Update** is clicked, they will be presented with a button **Edit Impacts**. Once users click this button, they will be directed to this page where they can add different Low Water Values and the Impact text that goes along with that value or range. They can be sorted manually via the buttons located to the right of the impact text box. Also these can be deleted and updated after the text has been edited on existing values. When users have completed their edits on this page they simply need to click **Return to Gauge Editor** to return back to the Gauge Edit Page.



HSA Plotting Graphics

Preview Plotting Updates for DOVM1

07/09/2007 03:31 PM EDT

☒ Topo ☒ Gauges ☐ Counties ☒ States ☒ Major Rivers ☒ Other Rivers ☐ Highways ☐ Cities
☒ HSA ☒ Names ☐ Names ☐ Names

Gauge: DOVM1 - Piscataquis River at Dover-Foxcroft

Label: Dover-Foxcroft

Label Location: Bottom Right

Label Horizontal Offset: No Offset

Label Vertical Offset: No Offset

Location Horizontal Offset: No Offset

Location Vertical Offset: No Offset

Latitude: 45.175200 (in decimal degrees)

Longitude: 69.315300 (in decimal degrees)

Hemisphere: Western Hemisphere

[Preview](#) [Update](#) [Cancel](#) [Return to Layers](#) [Return to Gauge Editor](#)

Figure 20: HSA Map Point Plotting Activation

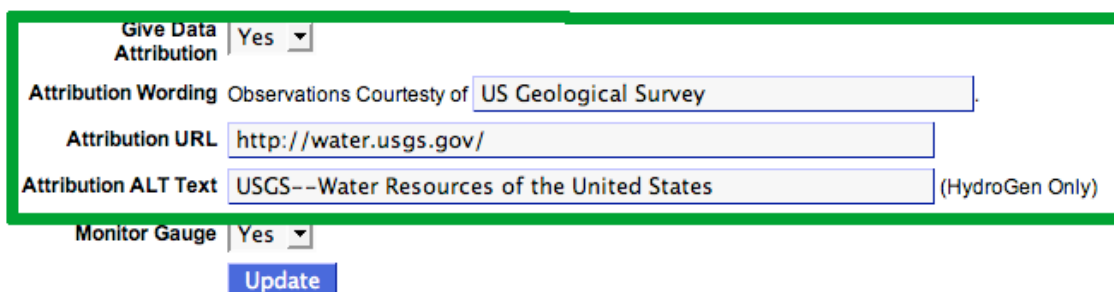
(**Figure 20**) denotes plotting configuration information for the gauge on an HSA map. After all of the configuration information for the gauge has been entered into all fields; click [Preview](#) to view how the point will look plotted on the HSA map with the current configuration.

On this page users can make changes to the latitude, longitude and the alignment of the point's map label. If the point being configured looks to be in its valid location and the name alignment is readable, click [Update](#) to apply the current settings. If further changes are needed, make the appropriate changes and click [Preview](#) to view the changes before applying them. When finished editing, click [Return to Gauge](#) to return back to the current gauge configuration page.



Data Attribution Feature

The AHPS CMS interface has been modified to allow NWS personnel to customize the “Observations Courtesy of” attribution organization wording, URL, and ALT tag text on the hydrograph page for both HydroGen and Rivdat type hydrographs. A new configuration item called “**Give Data Attribution**” has been added to the gauge configuration page with a default setting of “No”. To ensure that current attribution to US Geological Survey (USGS) will not be lost once this new feature goes into production, any gauge with a USGS ID defined will have the new CMS fields populated with USGS attribution settings. The selection boxes that are used to change this can be seen below in **(Figure 21a)** in the **Green** rectangle.



Give Data Attribution Yes ▾

Attribution Wording Observations Courtesy of US Geological Survey

Attribution URL http://water.usgs.gov/

Attribution ALT Text USGS--Water Resources of the United States (HydroGen Only)

Monitor Gauge Yes ▾

Update

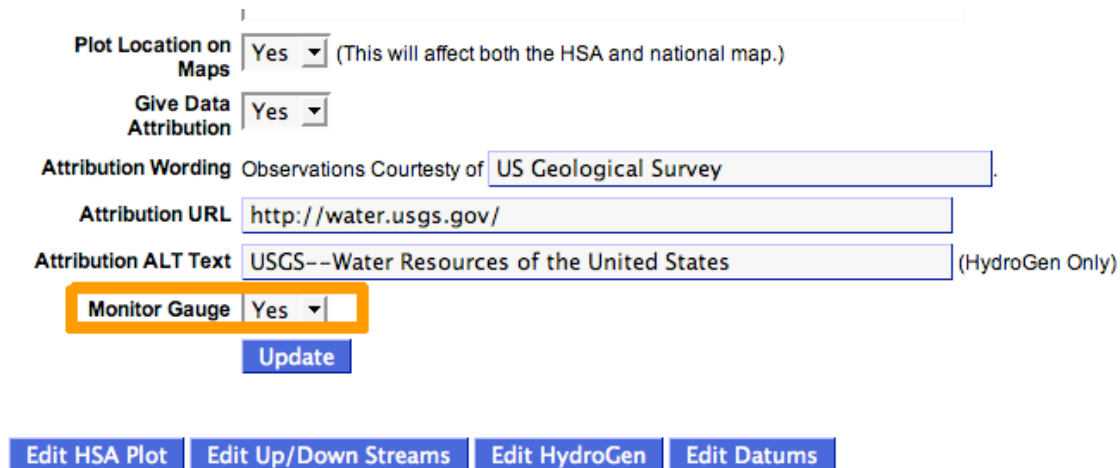
Figure 21a: Data Attribution Settings

**This information will only be displayed when Yes ▾ is selected for the option: “Give Data Attribution”. If No ▾ is selected for this option, this information will ‘NOT’ be displayed on this page.*



Gauge Monitoring Feature

With the previous release of the AHPS CMS interface, a gauge monitoring system was implemented. This system monitors a WFO/HSA's gauge data to ensure that it is updating. This system is configured to send notifications to users within a WFO/HSA if they have their account configured to receive these notifications (**See Preferences Page**). Users can configure this option (**Yes** or **No**) on the Preferences Page, See (**Figure 10**). In association with the 12z data update notification/status email, this feature allows users to select whether or not a gauge should or should not show up in this notification email. This item is a dropdown selection box with a (**Yes** or **No**). Selecting "**Yes**" will allow the gauge to be included in the 12z notification; while selecting "**No**" will un-include the gauge in the notification. This feature is shown below highlighted in the **Orange** square:



Plot Location on Maps (This will affect both the HSA and national map.)

Give Data Attribution

Attribution Wording Observations Courtesy of

Attribution URL

Attribution ALT Text (HydroGen Only)

Monitor Gauge

Figure 21b: Gauge Monitoring Feature



HydroGen (Gauge Configuration Page)

CAR - Edit HydroGen Data for DOVM1

Sensor In Service	Yes
Override HydroGen Gauge Name	No
HydroGen Days Ahead	3 days
HydroGen Days Back	3 days
Show Flow Y-Axis	Yes
Flow Units	KCFS
Show Forecast Trace	Yes
Show Observed Trace	Yes
Use Computed Rating	Yes
Suppress Plotting of Observation Data	No
Suppress Plotting of Forecast Data	No
Maximum Forecast Age (Hours)	26
Update	
Return to Gauge Editor	
PEDTS Code	Add additional PEDTS Code Add PEDTS Code
PEDTS Priority	
HGIRG 1	

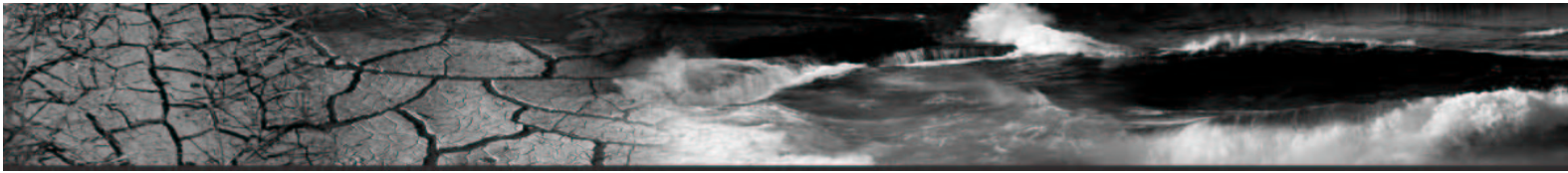
When adding a new gauge or changing the type source or physical element, please check your HydroGen configuration to verify it is configured correctly for the PEDTS.

You can check HydroGen via Hydrobase setup menu, HydroGen Configuration. This GUI will show all of the stations that are currently defined. Go to the Location: box and edit the lid. Choose the Forecast Type Source and Type Source from the pull-down menus. Choose the Physical Element from the list, then click Save.

Additional Note: When adding a new location into Hydrobase, you must stop and then restart the SHEFdecoder.

Figure 22: XML HydroGen Configuration

HydroGen is suite of software programs that collect data from a database and prepare XML files and hydrograph graphics for the web. It was designed to replace rivdat. The items in (**Figure 22**) are used to configure this software suite. Some new configurable items (denoted in **red**) for HydroGen are the ability to select Flow Units (KCFS or CFS) The default unit is KCFS. Also users can suppress plotting of Observation and Forecast Data on the Hydrograph. Data Fail-Over will be discussed below.



The final item denoted in **red** above in (**Figure 22**) is PEDTS Data Failover. Users can select multiple PEDTS types (if available) and prioritize these in how it is used to display the data within the Hydrograph. HydroGen will continue to use a primary PEDTS until the pre-determined hours of the type is exceeded, it will then use the secondary source of information and continue to transverse the PEDTS list in a similar fashion.

****Please Note**** When a user adds additional PEDTS, sometimes the failover process will take place during the period of time users are entering/configuring the PEDTS within the AHPS CMS. When adding additional PEDTS for failover operations, users should check back in 30 minutes to see if the **"Reset PEDTS ..."** button is displaying and click that button if it is displayed. This will complete the reset and allow the function to work properly. **This only occurs during the setup of the PEDTS failover feature.**

Also noted is that the NRLDB Data for a site is also displayed on the HydroGen Page

NRLDB Data

</

Figure 23: NRLDB information HydroGen Page



Gauge Photo Management

Photos for gauge sites will be uploaded and handled via special site hosted on Eastern Region's Intranet. A link will be provided within the AHPS CMS interface to connect to this site. Users can connect to the tool by clicking the link "[click here](#)" high lighted below in red. Once a location has photos uploaded, users can use this interface to edit the captions for the photographs and move them up or down in priority.

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).



Fish River above Fort Kent

Edit Move Down



Fish River on 4/30/2008 flooded at 13.8 feet

Edit Move Up

Figure 24a: Gauge Photo Management Interface Link

[Back To Gauge](#)



Caption:

Fish River above Fort Kent

Delete

Update

Figure 24b: Gauge Photo Editor Tool

Once photos for gauge sites have been uploaded via the ER hosted tool, users can edit the caption information by clicking the [Edit](#) button located out to the right of the photo. Once on the page pictured above in **Figure 24b**, users can edit the photos caption or delete the photo outright. Once users have finished the needed updates to the caption they will need to click "Update" to complete the changes. See Appendix C for full documentation.



Edit Up/Down Stream

This page allows you to enter into the CMS the relationship a particular gauge has with other gauges around it. With this page you can set both a primary and a secondary gauge that is either up or down stream in relation to this gauge. This was implemented for cases of river forks where more than one gauge could potentially be considered up or down stream. If a gauge has either two up or down stream gauges a new fork arrow will be visible on the Hydrograph page.

CAR - Up/Downstream Locations for DOVM1

This page may take some time to load. Please be patient.

Primary Upstream Location	BLAM1 – Piscataquis River at Blanchard
Primary Downstream Location	MFDM1 – Piscataquis River at Medford
Secondary Upstream Location	None Specified
Secondary Downstream Location	None Specified

[Update](#)

[Return to Gauge Editor](#)

Figure 25: Edit Up/Down Stream Gauge Options



Edit Datums

You now have the ability in Phase V to input reference datums for each gauge. The Edit Datums page has the following options: Vertical Datum, Horizontal Datum, and Datum Note.

Vertical Datum - Toggle that can be either none, NAVD88 or NGVD29

Horizontal Datum – Toggle that can be either none or NAD83

Datum Note – Dropdown box with different notes to be displayed below the hydrograph.

There is also a table that allows you input the NWS stage as well as the vertical datum elevation information.

CAR - Edit Gauge DOVM1

Vertical Datum NAVD88

Horizontal Datum NAD83

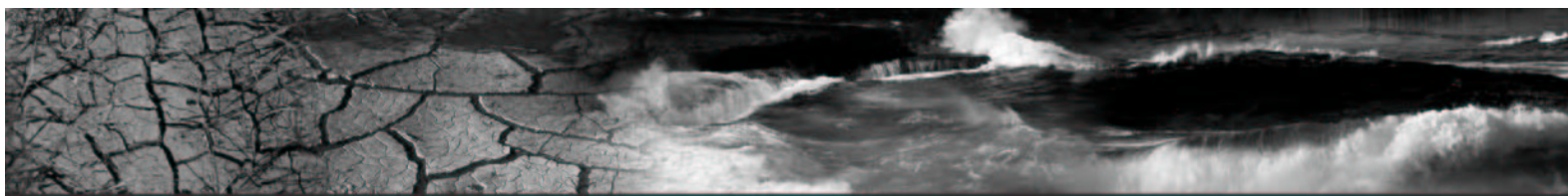
Datum Note None Selected

River Stage Reference Frame	Gauge Height	Flood Stage	Uses
NWS stage	<input type="text" value="0"/>	11 ft	
Vertical Datum	Elevation (gauge height = 0)	Elevation (gauge height = flood stage)	Elevation information source
NAVD88	<input type="text"/>	<input type="text"/>	<div></div>
NGVD29	<input type="text"/>	<input type="text"/>	
MSL	<input type="text"/>	<input type="text"/>	
Other	<input type="text"/>	<input type="text"/>	



Update

Return to Gauge Editor

Figure 26: Edit Datums Gauge Options



Gauge Configuration Explanations

Configuration Item	Remarks
River Name	The name of the water body the gauge should be associated with.
Proximity	<p>Dropdown selection box. Selectable items are above, at, below, near, and other.</p> <p>Special feature (other): If the desired proximity is a direction/distance (mileage) from a fixed location, select “other” in the dropdown box and then click on the  button towards the bottom of the page. This will bring up two additional items. One input box for an integer value for distance and a dropdown box for compass direction. Example for a gauge 10 miles North of the Location Name field:</p> <div data-bbox="784 961 1234 1008">  </div>
Location Name	Plain language name of the gauge location. This is the name the user wants displayed on the AHPS hydrograph page for this location.
State	Dropdown selection box
Adjacent State	Chose the Adjacent State for RSS Selection and display
Time Zone	Dropdown selection box
RFC	Dropdown selection box
Action	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location (NRLDB Value)
Flood	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location (NRLDB Value)
Moderate	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location; this feature will be used in the future on HSA maps to color code the icon during moderate flooding. (NRLDB Value)
Major	Stage in feet, volume flow, or enter zero (0) if undefined for gauge location; this feature will be used in the future on HSA maps to color code the icon during major flooding. (NRLDB Value)
Flood Category Type	Toggle between Flow and Stage types for the flood category.
Low Water Threshold	Input the Upper Limit for Low Water
Hydrograph Disclaimer/Message	Dropdown box selection. If a disclaimer/ message is selected, it will displayed below the hydrograph for the selected location. Options are:

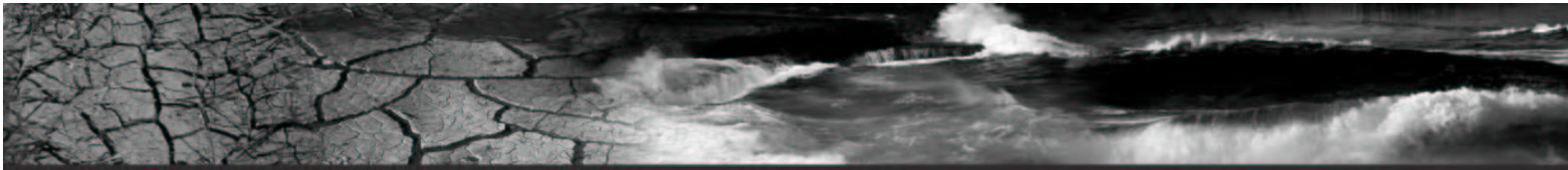
Configuration Item	Remarks
	<ol style="list-style-type: none"> 1. No message (- none -) 2. Automated gauge readings are unavailable, readings taken manually. 3. Automated gauge readings now available, courtesy of USGS. 4. Flood stage level has recently changed. 5. Flow uncertain at levels above the dashed line because there is no established stage/discharge relationship at those levels. 6. Gauge reading affected by nearby construction. 7. Gauge reading affected by nearby debris jam. 8. Gauge reading affected by ocean tides. 9. Gauge reading affected by power generation 10. Gauge reading may be affected by ice. 11. Gauge reading may be affected by ice. Forecast flows are unadjusted for ice. 12. Please report ice jams to local authorities. 13. Pictures of ice affected gauge available at bottom of this web page. 14. Gauge reading only in high-water situations. 15. Gauge readings inaccurate - awaiting repair. 16. Gauge reading affected by reservoir operations. 17. Gauge readings not routinely updated during non-flooding situations. 18. Gauge readings may be inaccurate during periods of extreme cold. 19. Gauge readings not available during winter months. 20. Gauge reading is unreliable because gauge is under water. 21. Gauge readings received once daily during low-water and more frequently during high water. 22. This river gauge will be discontinued soon and data will no longer be available. 23. We are looking for a volunteer to monitor this river gauge. If interested, contact the local NWS office. 24. NEW – Daily Forecasts now available for this location. 25. Coastal Flood Impacts are dependent upon waves as well as tide level. High waves can result in flooding even if the tide level is below flood stage.

Configuration Item	Remarks
Forecast Reliability	<p>Dropdown box selection. If a forecast reliability message is selected, it is displayed below the hydrograph for the selected NWSLID gauge. Options are:</p> <ol style="list-style-type: none"> 1. No message (- none -) 2. Reliability of the Forecast: Based on unobstructed flow 3. Unavailable due to ice 4. Unavailable due to missing or inaccurate readings 5. Based on current and forecast river, weather and reservoir conditions

Forecast Status	<p>Dropdown selection box. Gives description of what type of forecast is available for gauge location. Item appears as a NOTE: below the hydrograph. The xxxx denote the name, water body type and proximity based upon the gauge's configuration in the AHPS CMS.</p> <ol style="list-style-type: none"> 1. No routine – Graphical forecasts are not available for the xxxxxx xxxxx. During times of high water, forecast crest information can be found in the <u>text products</u>. 2. Navigation Season - Forecasts for the xxxxx xxxxxx are issued routinely during the navigation season, and as needed at other times of the year. 3. Summer-only - Forecasts for the xxxxx River at xxxx are issued routinely during the warm season, and as needed at other times of the year. 4. Year-round - Forecasts for the xxxxxx xxxxx are issued routinely year-round. 5. High Water - Forecasts for the xxxxx xxxxx are issued as needed during times of high water, but are not routinely available. 6. Data Point - Forecasts are not available for the xxxx xxxxx. Only observed stages are available for this point.
Probabilistic Site	Dropdown selection box (Yes/No); this feature turns on the probabilistic icons on the hydrograph page for the selected gauge.
Pool Exceedance Location*	Dropdown selection box (Yes/No); *this features only displays when a site has been selected as a Probabilistic Site. When this item is set to “Yes”, the location displays exceedance values as if it were a reservoir instead of a stream/river.
Volume Exceedance Graph Available*	Dropdown selection box (Yes/No); *this features only displays when a site has been selected as a Probabilistic Site. This setting is used to add the volume exceedance icon to the hydrograph page for the entire period exceedance type. * If Volume Exceedance is set to “YES”, then Probabilistic Site MUST be set to “YES”. This probabilistic data type is not available for all locations. Contact your RFC if you question that your WFO uses this type of data.
Probabilistic Start Date (YYYY-MM-DD)	The expected start date of probabilistic data for selected location.
Display Number of Historic Crests	Number of historical crest to be displayed on hydrograph page.

Display Number of Low Water Events	Number of historical low water events to be displayed on hydrograph page.
Display Low Water Impacts	Toggle for the Display of Low Water Impacts
COE ID	Corps of Engineers (COE) gauge location ID.
COE URL	The COE URL for the selected gauge location.
USGSID	U.S. Geological Survey (USGS) gauge location ID; if this value is added, an attribution statement for the USGS will be displayed above the hydrograph.
Display Unique Hydrograph Data	Enter text or HTML here that you wish to appear as "Additional Information" below the impact statement on the hydrograph page. This item is configurable per gauge location.
Plot location on Maps	The feature is currently used to control whether or not the location is plotted on the HSA map and National AHPS map. If the feature is set to <input type="button" value="No"/> the point will not be plotted and no other options will be available for this location. If the feature is set to <input type="button" value="Yes"/> then the following options will be displayed in the Edit HSA Plot page: HSA Map Label, HSA Map Label Location, Latitude XXX, Longitude XXX, Hemisphere.
Give Data Attribution	Dropdown selection box, it is a Yes/No selectable item.
Attribution Wording	This field is used for the organization name(s) that attribution should be given to and is limited to 32 characters due to space constraints on the HydroGen hydrograph image. The AHPS code will pre-append the phrase "Observations Courtesy of" prior to organization attribution wording input. This is a mandatory item if "Give Data Attribution" is set to <input type="button" value="Yes"/> .
Attribution URL	This is the URL the attribution wording should point to. If a non-.Gov website is used, a jump page (You are now leaving the NWS...) will automatically be configured for the non-.Gov website address. The "Attribution URL" is an optional item.
Attribution ALT Text (HydroGen Only)	This is an optional ALT tag text input field. If not defined, the AHPS code will use the wording from the "Attribution Wording" field for the ALT tag.
Monitor Gauge	Dropdown selection Yes or No . box that allows a gauge to be included or un-included in the 12z gauge update status email.

Once changes are made to configuration data, the user will need to click on for the section they have modified. This will save the modification to the configuration database.



Radar Links

With this release of the AHPS CMS you now have the ability to link to multiple radar sites. To do this you select Radar Links from the CMS Dropdown Menu. Once you have selected this option you will see a page similar to **Figure 25**. You can link to as many radar sites as you would like to, all you need to do is click the new button and a new form entry will appear that you can fill in with the new link's information. Once you have completed this you can see the new radar links on the left hand side of the AHPS page. (**Figure 2X**) You can also update or delete current information from this page.

URL	Link Text	Commands	
<input type="text" value="http://radar.weather.gov/radar.php?rid=enx"/>	<input type="text" value="Radar-ALY"/>	<input type="text" value="1"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="http://radar.weather.gov/radar.php?rid=bmg"/>	<input type="text" value="Radar-BMG"/>	<input type="text" value="2"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text"/>	<input type="text"/>		<input type="button" value="New"/>

Figure 25 – Radar Links

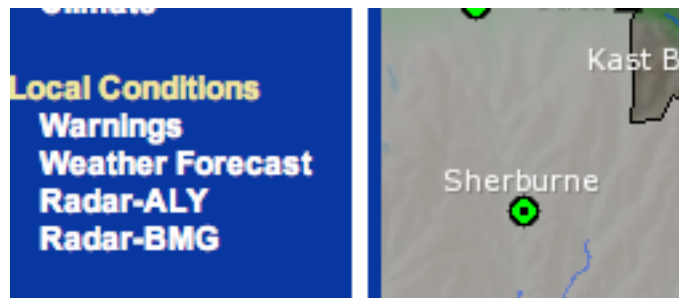


Figure 2X – Radar Links in Action

Other Information

You have the ability to input custom entries to the Other Information page. To do this you select Other Info from the CMS Dropdown menu. ****Note in order for you information to be seen, the Display Other Information toggle needs to be set to Yes on the WFO configuration page.** Once it loads you will be presented with a page similar to the one below. Here you can input the information, delete or update current information. You first create the category. You will see an Update, Delete, and Edit options next to the item. If you click on edit you will be taken to a page where you can input the links for this category. Once the information is added you can view it on the AHPS page by clicking on the Other Information tab.

Name	Display Order	Commands
NASA	1	Update Delete Edit
	2	Add

URL	Link Text	Display Order	Commands
http://www.nasa.gov	NASA	1	Update Delete
		2	Add

Please remember to start all external links with http://. Also, you no longer need to include the WFO exit page http://weather.gov/cgi-bin/nwsexit.pl?url= link. Simply include the URL and the site will dynamically add the jump-page redirection information.

[Edit Other Links](#)

Weather Forecast Office Albany, NY

[River Observations](#) [River Forecasts](#) [Precipitation](#) [Download](#) [Other Information](#)

NASA

- NASA

Dropdown Webpage Navigation Page

The Dropdown Navigation Page (**Figure 27**) allows users to manage the name and order of the water body(s) listed in the dropdown list to the right of the HSA map and hydrographs AHPS web pages. Click on **Edit** to associate a river(s) with the navigation name. If more than one water body is added under a navigation name, the dropdown box on the AHPS web page will automatically add the words (and Tributaries) to the navigation name. Water bodies can be consolidated into groups of water bodies under one navigation listing. This can help reduce the number of dropdown boxes to the right of the HSA map and hydrographs and improve the usability of AHPS HSA navigation. See (**Figure 28**).

National Weather Service
AHPS

www.nws.noaa.gov

Search Search

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

AHPS NWS WFO

Options: - Dropdown Navigation Go

CAR - Webpage Dropdown Navigation

This page allows users to manage the name and order of rivers listed in the dropdown list to the right of the HSA map and hydrographs. Click on the edit button to associate a river(s) with the navigation name. If more than one water body is added under a navigation name the dropdown box on the AHPS web page will automatically add the words (and Tributaries) to the navigation name.

Navigation Dropdown Name	Display Order	Commands
<input type="text" value="St. John River"/>	1	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Big Black River"/>	2	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Allagash River"/>	3	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Fish River"/>	4	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Arrostook River"/>	5	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Penobscot River"/>	6	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text" value="Piscataquis River"/>	7	<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Edit"/>
<input type="text"/>		<input type="button" value="New"/>

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Disclaimer Privacy Policy

groups.php last modified at Fri Jan 6 7:04:12 EDT 2006.

Figure 27: Webpage Dropdown Navigation (water body association)



To see all current watches and warnings, [click here](#).

Weather Forecast Office Albany, NY

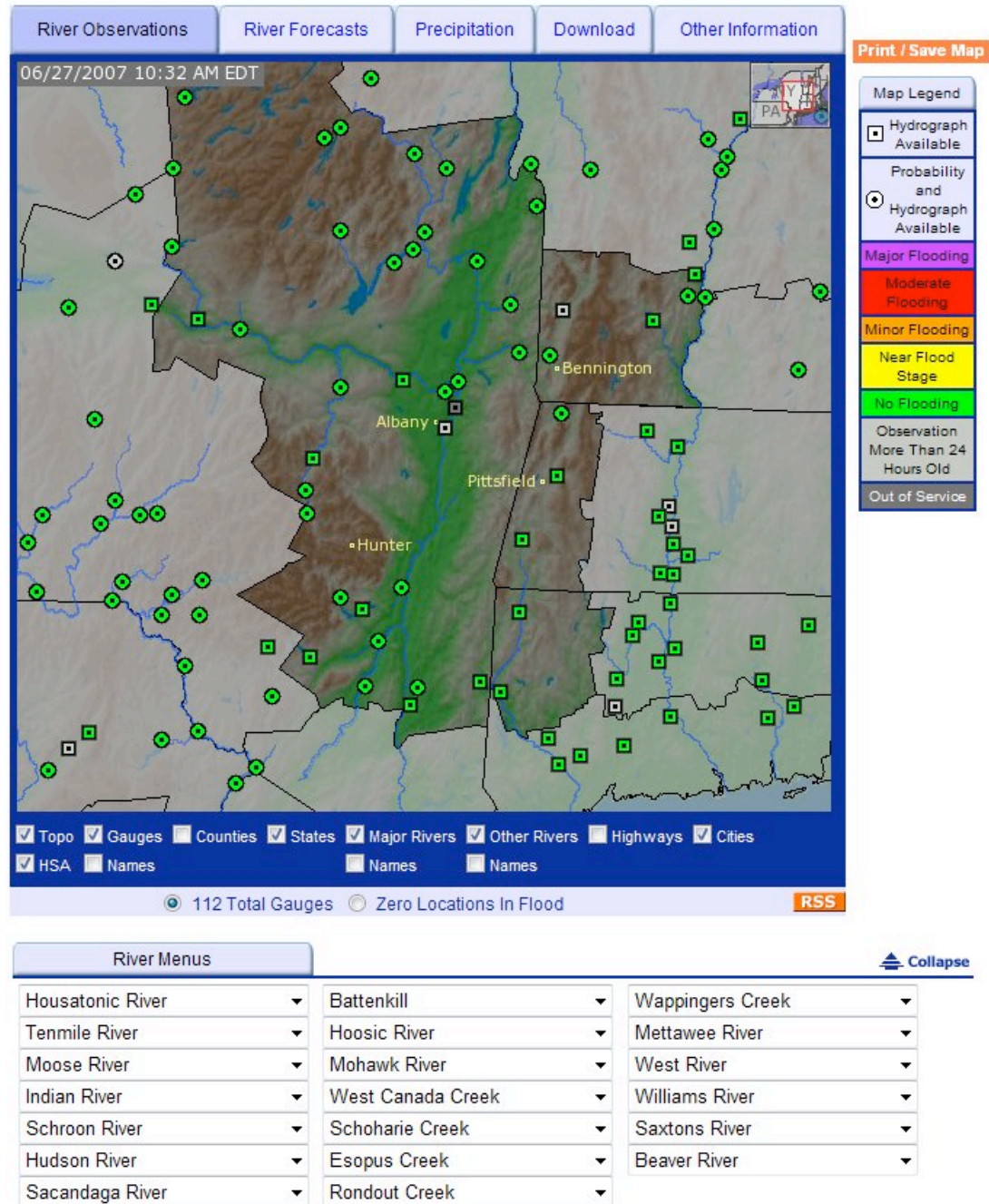


Figure 28: ALY AHPS HSA Page (River Menu Dropdown)

WFO (XXX) AHPS Specific Page

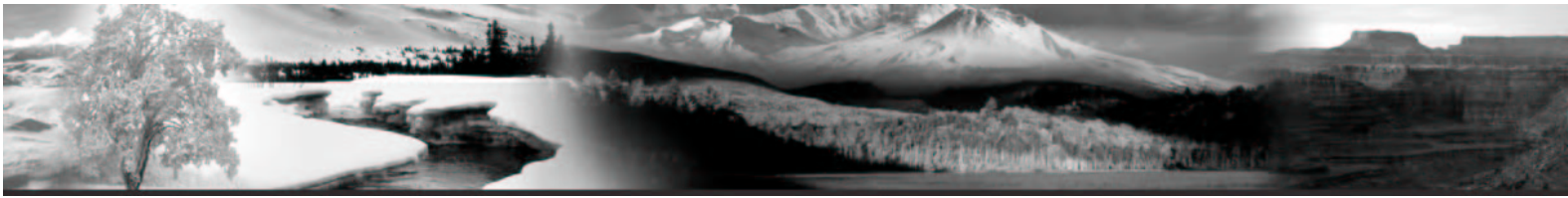
With the introduction of the new NWS CMS modular interface, the WFO page has undergone a minor redesign. With growing requirements, a new NWS CMS module, NWS WFO, has been created to handle general WFO webpage configuration items (**This item can be referenced in the Appendix**). These items include physical address, postal address, public phone numbers, etc..... To handle AHPS Specific WFO items such as AHPS Webmaster question email configuration and additional hydrologic resource links a more condensed version of the previous AHPS WFO page has been added to the AHPS CMS and can be accessed via the “Options” dropdown navigation box [WFO (XXX)]. A sample of this page can be seen below:

The screenshot shows a web interface for configuring the WFO (XXX) AHPS Specific Page. At the top, there are two tabs: "AHPS" and "NWS WFO". Below the tabs is a blue navigation bar with the text "Options: - WFO (ALY)" and a "Go" button. The main heading is "ALY - WFO Main". The configuration options include:

- Precip. URL:
- QPF URL:
- HSA Map Time-Stamp Horizontal Alignment:
- HSA Map Time-Stamp Vertical Alignment:
- Font Style:
- Expand View Position:
- Display "Other Information" Tab:
- Region:
- Plain text or HTML formatted text goes here. (A large text area for input)
- Display Unique HSA Level Data (A checkbox)

At the bottom right is an "Update" button. At the bottom left is an "Edit Dropdown Nav." button.

Figure 29: AHPS Specific WFO page (image 1)



Additional Resource Links

Link Text	URL	Sort Order	Command
Northeast River Forecast	http://www.erh.noaa.gov/nerfc/	1	Update Delete
Snow Information	http://www.noahsc.noaa.gov/	2	Update Delete
			New

Hydrological Resource Links

Link Text	URL	Sort Order	Command
			New

Ask Questions / Webmaster Address(es)





Email Address	Addressing Type	Command
ahps.webmaster@noaa.gov	To:	Update Delete
Alywebmaster@noaa.gov	To:	Update Delete
	To:	New

Nonstandard Text Products

PIL [cccNNNxxx]	Category	Command
	Miscellaneous Hydrologic Data Report	New

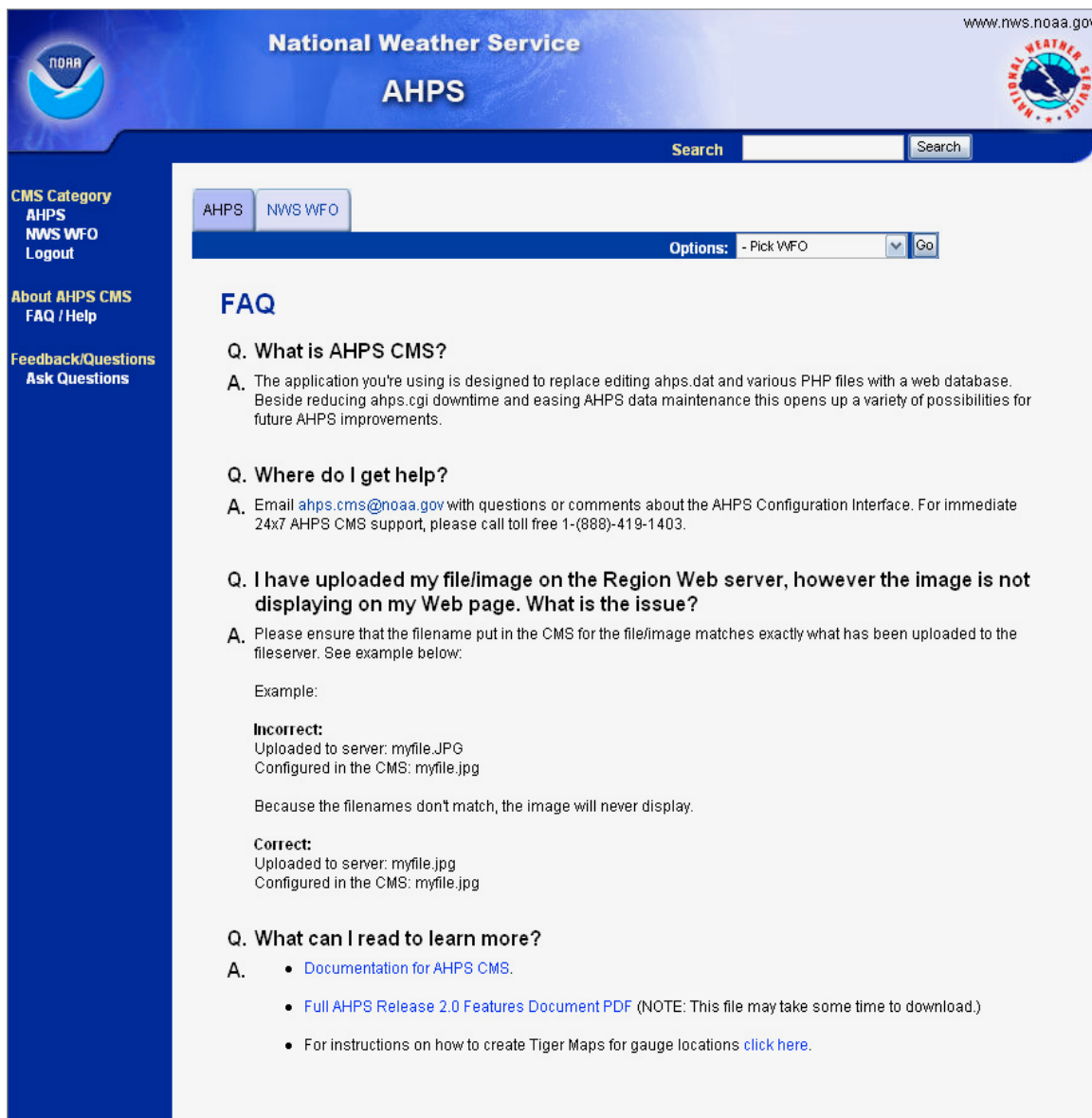
Figure 30: AHPS Specific WFO Page (image 2)

Configuration Item	Remarks
Precip. URL	This URL is linked to the Past Precipitation link under Hydrologic Resources on the HSA page.
QPF URL	This URL is linked to the Forecast Precipitation link under Hydrologic Resources on the HSA page.
HSA MAP Time-Stamp Horizontal Alignment	Horizontal legend alignment, left, right, center, custom: If custom was select for legend align, this is the number of pixels from the left boarder the legend will start.
HSA MAP Time-Stamp Vertical Alignment	Vertical legend alignment, top, bottom, custom. If custom was selected for legend valign, this is the number of pixels from the bottom that the legend will be.
Display "Other Information" Tab	This toggle is for the "Other Information" Tab on the WFO page

Configuration Item	Remarks
Expand View Position	Allows the placing of the Expand View button on the HSA map in different locations.
Region	NWS Region. Assigned during creation of the AHPS configuration of database.
Display Unique HSA Level Data	<p>This input area is used for unique data will be displayed globally across all web pages for a HSA. Input can be in plain text or HTML formatted text.</p> <p>http://newweb.erh.noaa.gov/ahps2/index.php?wfo=gsp</p>
Additional Resource Links	<p>Additional resource links can be added via this input. Input requires the link text and URL. The new button  must be clicked after input has been entered. If a link text or URL has been modified, the update button  should be used to save the data to the configuration database.</p>
Hydrological Resource Links	<p>Hydrological resource links can be added via this input. Input requires the link text and URL. The new button  must be clicked after input has been entered. If a link text or URL has been modified, the update button  should be used to save the data to the configuration database.</p>
Ask Questions / Webmaster Address(es)	Email address(es) listed in this section will be linked to in the footer of AHPS web pages.
Non-Standard Text Products	This feature allows WFO(s) to add additional NWS products under the Text Product page link. This feature will allow nonstandard AHPS products to be added. Input for the field is the three letter identifier of the product.

FAQ/Help Page

The FAQ/Help page (**Figure 31**) will be used to answer frequently asked questions and provide additional support to users of this interface.



The screenshot shows the National Weather Service AHPS (Automated Hydrologic Prediction Service) website. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". A search bar is located in the top right. The left sidebar contains navigation links: "CMS Category" (AHPS, NWS WFO, Logout), "About AHPS CMS" (FAQ / Help), and "Feedback/Questions" (Ask Questions). The main content area is titled "FAQ" and lists several questions and answers:

- Q. What is AHPS CMS?**
A. The application you're using is designed to replace editing ahps.dat and various PHP files with a web database. Beside reducing ahps.cgi downtime and easing AHPS data maintenance this opens up a variety of possibilities for future AHPS improvements.
- Q. Where do I get help?**
A. Email ahps.cms@noaa.gov with questions or comments about the AHPS Configuration Interface. For immediate 24x7 AHPS CMS support, please call toll free 1-(888)-419-1403.
- Q. I have uploaded my file/image on the Region Web server, however the image is not displaying on my Web page. What is the issue?**
A. Please ensure that the filename put in the CMS for the file/image matches exactly what has been uploaded to the fileserv. See example below:

Example:

Incorrect:
Uploaded to server: myfile.JPG
Configured in the CMS: myfile.jpg

Because the filenames don't match, the image will never display.

Correct:
Uploaded to server: myfile.jpg
Configured in the CMS: myfile.jpg
- Q. What can I read to learn more?**
A.
 - [Documentation for AHPS CMS.](#)
 - [Full AHPS Release 2.0 Features Document PDF](#) (NOTE: This file may take some time to download.)
 - For instructions on how to create Tiger Maps for gauge locations [click here.](#)

Figure 31: FAQ/Help Page

Appendix A – NWS WFO Module

WFO Configuration Module

When a user selects the module NWS WFO, they are directed to a page that will allow them to select either one or multiple WFOs depending upon their access configuration. Usually standard users will only have access to one WFO. Once a user selects a WFO, they are directed to a WFO Configuration Page, see (**Figures A-1 and A-2**)

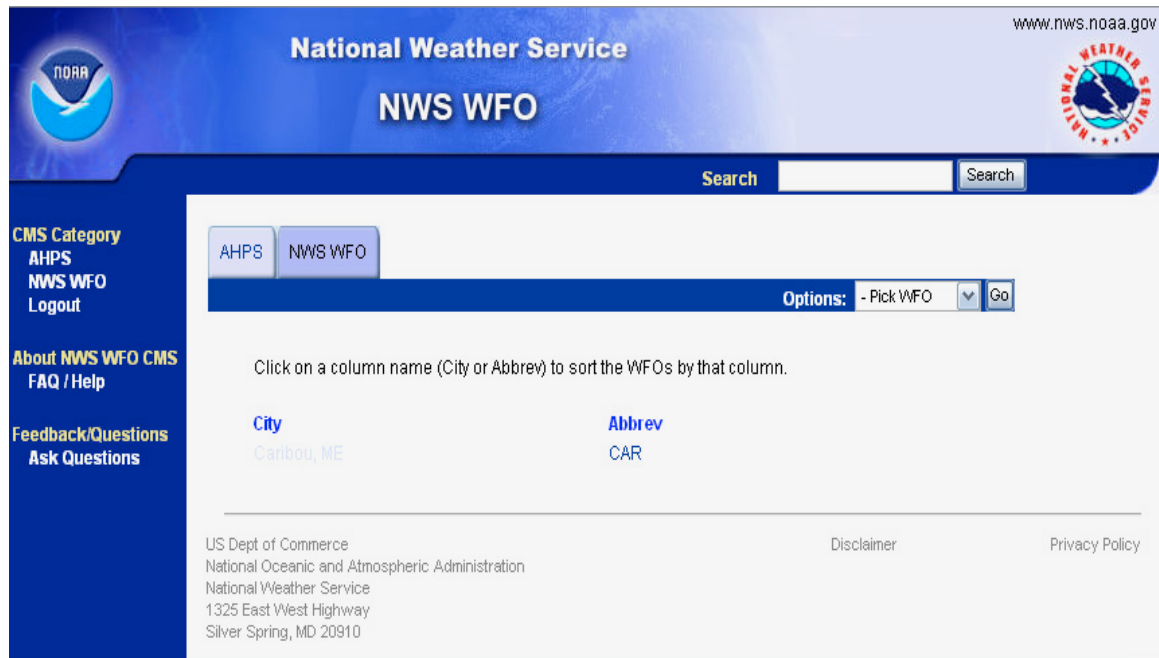




Figure A-1: WFO Selection Page



National Weather Service
NWS WFO

www.nws.noaa.gov


CMS Category

[AHPS](#)

[NWS WFO](#)

[Logout](#)

About NWS WFO CMS

[FAQ / Help](#)

Feedback/Questions

[Ask Questions](#)

AHPS NWS WFO
Options: - WFO (CAR)

CAR - WFO Main

The WFO was successfully updated.

WFO City Name

State

Postal Street Address

Postal City Name

Zip Code

Public Phone

Webmaster

Observes DST

Time Zone

Webpage Title

META Description

Weather, Warnings, Forecasts, Model Products, Climate information, Facsimile Charts, Observations, links to government web sites, documentation on meteorology, meteorological standards, Telecommunication protocols, WMO


Homepage Link URL (Header)

Ask Questions / Webmaster Address(es)

Email Address	Addressing Type	Command
<input type="text" value="carwebmaster@noaa.gov"/>	To: <input type="text"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>

Figure A-2: NWS WFO Configuration Page

Configuration Item	Remarks
WFO City Name	The official WFO name
State	Dropdown selection box
Postal Street Address	Mailing address street address of the WFO. This information is used in the footer of each WFO AHPS page.
Postal City Name	Mailing address city name of the WFO. This information is used in the footer of each WFO AHPS page.
Zip Code	Mailing address zip code of the WFO. This information is used in the footer of each WFO AHPS page.
Public Phone	Public phone number of WFO.
Webmaster	Webmaster POC information
Observes DST	Flag if the WFO observes daylight savings; 0 = no, 1 = yes, Default = 1
Time Zone	Dropdown selection box to select timezone
Webpage Title	Title of WFO Webpage
META Description	The META element provides <i>metadata</i> such as a document's keywords, description, and author. Any number of META elements may be contained in the head of a document.
Home Link URL	URL of the WFO Homepage or WFO AHPS Page
Ask Questions / Webmaster Address(es)	Email address(es) listed in this section will be linked to in the footer of NWS WFO Home CMS Driven Web pages.

Once changes are made to configuration data, the user will need to click on the  button for the section they have modified. This will save the modification to the configuration database.

Navigation Menu “Left Hand Navigation” Page

With the creation of the new modular NWS CMS, the “Left Hand Navigation” Page has been relocated to this new module to promote consistency in the Left Hand Navigation between a WFO’s different Web pages. What this means for the field users is that once they enter the link information in this section of the module, it will be common among all of the field offices other Web pages; there will be no need to update other code or other sections of the NWS CMS. This item will work just like it did when it was part of the Climate CMS and will be explained below once again for those users who are new to the interface.

Category	Display Order	Commands
Current Hazards	1	Update Delete Edit
Current Conditions	2	Update Delete Edit
Radar/Satellite	3	Update Delete Edit
Forecasts	4	Update Delete Edit
Marine	5	Update Delete Edit
Rivers & Lakes	6	Update Delete Edit
Climate	7	Update Delete Edit
Weather Safety	8	Update Delete Edit
Weather Information	9	Update Delete Edit
News	10	Update Delete Edit
	11	Update Delete Edit
	12	Update Delete Edit
		Add

Figure A-3: Navigation Menu Main Page

The Navigation Categories Editor Page allows users to add, update, delete and edit the categories in the blue left navigation bar on all WFO Web pages. Category name and the order that the categories are displayed are all editable items on this page. If a user changes any of the Category information, they must click **Update** in order for those changes to take effect. If a user selects **Delete** they will be directed to a Deletion Confirmation Page. If a user selects **Edit** they will be directed to the Navigation Links Editor Page; See **Figure A-4**.

Navigation Menu "Left Hand Navigation" Page (con't)

www.nws.noaa.gov

National Weather Service
NWS WFO

Search Search

CMS Category
Climate
NWS WFO
Logout

About NWS WFO CMS
FAQ / Help

Feedback/Questions
Ask Questions

Climate NWS WFO

Options: - Pick WFO Go

Caribou (CAR) Category Link Editor

URL	Link Text	Display Order	Commands
<input type="text" value="http://www.erh.noaa.gov/car/local_hazard"/>	<input type="text" value="Local"/>	<input type="text" value="1"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text" value="http://www.erh.noaa.gov/car/statewide_ha"/>	<input type="text" value="Statewide"/>	<input type="text" value="2"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text" value="http://weather.gov/"/>	<input type="text" value="National
"/>	<input type="text" value="3"/>	<input type="button" value="Update"/> <input type="button" value="Delete"/>
<input type="text"/>	<input type="text"/>	<input type="text" value="4"/>	<input type="button" value="Add"/>

Please remember to start all external links with http://. Also, you no longer need to include the WFO exit page http://weather.gov/cgi-bin/nwsexit.pl?url= link. Simply include the URL and the site will dynamically add the jump-page redirection information. The links must include the http:// or they will not function properly.

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Disclaimer Privacy Policy

navitems.php last modified at Fri Jan 6 7:04:15 EDT 2006.

Figure A-4: Links Editor Page

Preferences Page

The Preferences Page **Figure A-5** allows the user to control **Daily Summary** and **Real-time** email notification settings. A **Daily Summary email** includes all NWS WFO CMS changes made for a 24 hour period and is transmitted once every 24 hours. A **Real-time email** includes changes that are made throughout the day and are transmitted as changes are made. The end user will only receive emails if changes have been made to a NWS WFO Web page that they have been associated with in their access configuration.

The screenshot shows the 'National Weather Service Climate' website. The header includes the NOAA logo, the text 'National Weather Service Climate', and the URL 'www.nws.noaa.gov'. A search bar is present with a 'Go' button. The left sidebar contains links for 'CMS Category' (AHPS, NWS WFO, Logout), 'About Climate CMS' (FAQ / Help), and 'Feedback/Questions' (Ask Questions). The main content area has tabs for 'AHPS' and 'NWS WFO'. Below the tabs, there is a dropdown menu for 'Options' set to 'Preferences' and a 'Go' button. The title of the page is 'Security User Edit john.doe@noaa.gov'. Under 'Email Options:', there are two dropdown menus: 'Real-time' set to 'No' and 'Daily Summary' set to 'No'. An 'Update' button is located to the right of these settings. At the bottom, there is a footer with contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, 1325 East West Highway, Silver Spring, MD 20910. Links for 'Disclaimer' and 'Privacy Policy' are also provided. A small note at the bottom left states 'prefs.php last modified at Wed Mar 1 7:40:54 EDT 2006'.

Figure A-5: Preferences Page

Appendix B – Map Layer(s) Editor

Accessing the New Tools

Once users have logged in and selected their WFO/HSA, they can select either “Map Config” or “Map Layers (XXX)” where XXX is the three-letter ID of the selected WFO/HSA from the “Options” dropdown selection menu. See **Figure 2**.

NWSLID	Location Name
ALBN6	Hudson River at Albany
ARLV1	Battenkill at Arlington
ASEN6	Esopus Creek at Ashokan Reservoir East
BKBN6	Schoharie Creek at Breakabeen
BNTV1	Hoosic River at Walloomsac River near North Bennington
BRTN6	Schoharie Creek at Burtonsville
BTTN6	Battenkill at Battenville
COHN6	Mohawk River at Cohoes
CTVM3	Housatonic River at E Br at Coltsville
DDMN6	Mohawk River at Delta Dam
FAON6	Hoosic River at Falls Bridge

Options: - Gauges - Admin Gauges - Admin Rivers - Dropdown Navigation - Gauges - Map Config - **- Map Layers (ALY)** - Other Info - Pick WFO - Preferences - Radar Links - WFO (ALY) - Logout

Go

Figure 2: Map Layers Selection “Options” Dropdown

After Map Layers (XXX) has been selected, users will be directed to the HSA Map Layers Edit Page where they can choose the different editable layers within the HSA Map. See **Figure 3**.



Figure 3: Map Layers Edit Page (SLC)

On the “Map Layers Edit Page” users can select to edit gauge plot and labeling orientation (Gauges), Major River display and labeling orientation (Major Rivers), Secondary River display and labeling orientation (Secondary Rivers), Cities display and labeling orientation (Cities), and finally Highway labeling and designation (State Highway, US Highway, Interstate). Each of these editors and their features will be covered in this document.

Gauges Layer Editor

The first tool this document will cover will be the **Edit** Gauges Layer editor. When users click associated with the Gauges selection they will be taken to a gauge selection page where a gauge can be selected for map layer editing. This page looks very similar to the gauge selection page that used for editing a gauge's configuration. See **Figure 4** below.

NWSLID	Location Name
BCNU1	Bear River near Corinne
BERU1	Bear River near Utah/Wyoming State Line
BIGJ1	Big Cottonwood Creek at Cottonwood Lane
CASU1	Spanish Fork near Castilla
CCSU1	City Creek near Salt Lake City
CIVJ1	Chalk Creek near Coalville
COAU1	Coal River near Cedar City
DCHU1	Strawberry River near Duchesne
ECCU1	East Canyon Creek near Morgan
EMIU1	Emigration Creek near Salt Lake City
GATU1	Weber River near Gateway
HATU1	Sevier River near Hatch
HRMU1	Blacksmith Fork River near Hyrum
HURU1	Virgin River near Hurricane
JORU1	Jordan River near 5th North
LCWU1	Little Cottonwood Creek at Crestwood Park
LGNU1	Logan River near Logan
NFVU1	North Fork Virgin River near Springdale
OAWU1	Weber River near Oakley
OPDU1	Ogder River below Pineview Reservoir
PAKU1	Paria River near Kanab
PCVU1	Paria River near Cannonville
RBRU1	NO RIVER SPECIFIED above 16th East
SCGU1	Santa Clara River near Gunlock
SEKU1	Sevier River near Kingston
SGDU1	Sevier River near Sigurd

Figure 4: Gauge Selection Page-Map Layer Editor

To edit a gauge simply click on a gauge from the provided list. This will redirect users to the HSA map preview page. See **Figure 5** below:

AHPS
NWS WFO

Options: - Admin Gauges
Go

Preview Plotting Updates for ALBN6

07/19/2007 10:23 AM EDT
PA

☒ Topo
 ☒ Gauges
 ☐ Counties
 ☒ States
 ☒ Major Rivers
 ☒ Other Rivers
 ☐ Highways
 ☐ Cities

☒ HSA
 ☒ Names
 ☐ Names
 ☐ Names

Gauge ALBN6 - Hudson River at Albany

Label Albany

Label Location Bottom Center

Label Horizontal Offset No Offset

Label Vertical Offset No Offset

Location Horizontal Offset No Offset

Location Vertical Offset No Offset

Latitude 42.646100 (in decimal degrees)

Longitude 73.747200 (in decimal degrees)

Hemisphere Western Hemisphere

Preview
Update
Cancel
Return to Layers
Return to Gauge Editor

Figure 5: HSA Map Preview Page (Gauges)

Once users arrive on this page they will notice that the gauge that was selected on the previous page will be highlighted in **purple**. Users have the ability to edit the plot location via Latitude and Longitude, Label Name, Label Location in relation to the plot (Top-Center, Bottom-Center, Top Right, etc...) and they have the ability to offset the plot location and label name vertically and horizontally (in pixels) to adjust for plots that may be in close proximity to other items on the map. A description of configurable items can be found on the next page.

Item	Function
Label	Gauge Plot Label Name
Label Location	Label name in relation to plot point

Label Horizontal Offset	Offset in pixels left or right from Label Location
Label Vertical Offset	Offset in pixels up or down from Label Location
Location Horizontal Offset	Offset in pixels left or right from the Lat/Long Coordinates input for gauge plot
Location Vertical Offset	Offset in pixels up or down from the Lat/Long Coordinates input for gauge plot
Latitude (decimal degrees)	Latitude in decimal degrees for gauge plot point
Longitude (decimal degrees)	Longitude in decimal degrees for gauge plot point

A major advantage of this new system is the ability to allow users to make changes to the map layers and preview them before they are published to the Web. Additionally, users can toggle on/off the different layers of the map (see **Figure 6** below) while making their adjustments to see how the data will look when additional layers are added/removed to the map. **This feature is available in ALL layer editors**

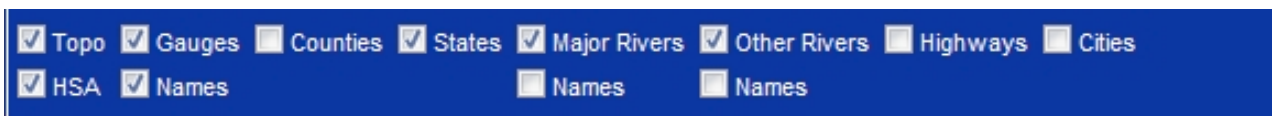


Figure 6: Map Layers Toggle

Once changes have been made, users can click

Preview to see how their changes will be drawn on the map. If needed, additional changes can be made and previewed before clicking **Update** to publish their changes to their regional web server.

*****PLEASE NOTE*****

Changes will not be available for viewing on live AHPS page until early December. The current scheduled deployment date is December 5th

When a user has completed editing gauge layer items they can return to the HSA Map Layers Edit Page by clicking **Return to Layers**.
[**Major Rivers and Secondary River Layer\(s\) Editor**](#)

In this release of the AHPS CMS, field offices have the ability to decide whether or not a River, Major and/or Secondary, will be labeled on their HSA map. Also,

the labeling orientation for a River can be changed to clearly designate the water body around other labeled items. Additionally, there is the ability to Add a new label or Delete an existing label. When a label has been selected for deletion, a deletion confirmation page will appear asking users if they are sure they wish to delete the selected item.

National Weather Service
AHPs

Home News Organization Search for: [] NWS All NOAA Go

Local forecast by "City, St" [City, St] Go

CMS Category
AHPs
NWS WFO
Logout

About AHPs CMS
FAQ / Help

Feedback/Questions
Ask Questions

FIRSTGOV.gov
The U.S. Government's Official Web Portal

AHPs NWS WFO

Options: - Pick WFO Go

Major Rivers In SLC

10/06/2006 11:10 AM MDT

☒ Topo ☐ Gauges ☒ Counties ☒ States ☒ Major Rivers ☐ Other Rivers ☐ Highways ☐ Cities
☐ Names ☒ Names ☐ Names

River	Latitude	Longitude	Direction	Active	
BEAR R	41.530000	-112.456000	ENE	No	Delete
BEAVER R	38.681000	-113.121000	Default	Yes	Delete

Figure 7A: Major River Layer Editor Page **Figure 7B: Major Rivers Layer Add/Preview/Update**

VIRGIN R	<input type="text" value="36.926000"/>	<input type="text" value="-114.050000"/>	<input type="text" value="Default"/>	<input type="text" value="Yes"/>	<input type="button" value="Delete"/>
WEBER R	<input type="text" value="41.239000"/>	<input type="text" value="-112.013000"/>	<input type="text" value="Default"/>	<input type="text" value="Yes"/>	<input type="button" value="Delete"/>
WHITE R	<input type="text" value="40.166000"/>	<input type="text" value="-108.900000"/>	<input type="text" value="Default"/>	<input type="text" value="Yes"/>	<input type="button" value="Delete"/>

River	Latitude	Longitude	Direction	Active	Command
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="E"/>	<input type="text" value="Yes"/>	<input type="button" value="New"/>

To add a new River Label enter the Name, Latitude, Longitude, Direction (direction the label will orientate from the first letter in label name based upon the Lat/Long input) .

Also, whether or not the label will be displayed when the Names layer is toggled to “On”, Active

= Yes can be configured. When all of this has been input, click . Clicking this button will insert the label name in to the River name list and onto the Preview Map where it can be further adjusted if needed. After all changes have been completed on this layer click to select another layer to be edited. Once back on this page users can edit the Secondary Rivers layer by clicking .

The Secondary Rivers Layer Editor Page has the exactly the same features/functionality as the Major River Layers editor page except that it has its own set of On/Off toggles. See *Figures 8A and 8B* below.

National Weather Service

AHPS

[Home](#)
[News](#)
[Organization](#)
[Search for:](#)[NWS](#)
[All NOAA](#)
[Go](#)

Local forecast by "City, St"

City, St
Go

CMS Category

AHPS

NWS WFO

Logout

About AHPS CMS

FAQ / Help

Feedback/Questions

Ask Questions

FIRSTGOV.GOV

The U.S. Government's Official Web Portal

AHPS
NWS WFO

Options:
- Pick WFO
Go

Secondary Rivers In SLC

10/06/2006 12:00 AM MDT

☒ Topo
☐ Gauges
☒ Counties
☒ States
☐ Major Rivers
☒ Other Rivers
☐ Highways
☐ Cities
☐ Names
☒ Names

River	Latitude	Longitude	Direction	Active	
*F	39.835000	-109.829000	Default	Yes	Delete
*G	39.835000	-109.829000	Default	Yes	Delete
*H	39.835000	-109.829000	Default	Yes	Delete

Figure 8A: Secondary Rivers Page

WHITROCKS R

40.843000
-110.286000
Default
Yes
Delete

Preview
Update

River	Latitude	Longitude	Direction	Active	Command
			E	Yes	New

Return to Layers

Figure 8B: Secondary Rivers Layer Add/Preview/Update

Cities Layer Editor

On this layer users have the ability to Add/Delete/Edit Cities labeled on their HSA map. This becomes very useful when gauges are plotted near cities of interest. Users also have the ability to manipulate the orientation of the label(s) associated with this layer as well. See **Figure 9**.

The screenshot shows the National Weather Service AHPS (Automated Hydrologic Prediction Service) Cities Layer Editor page. The page has a blue header with the NOAA logo and the text "National Weather Service AHPS". The URL "www.nws.noaa.gov" is in the top right corner. The page is divided into several sections:

- Local forecast by "City, St"**: A search bar with "City, St" and a "Go" button.
- CMS Category**: Links for AHPS, NWS WFO, and Logout.
- About AHPS CMS**: Links for FAQ/Help and Feedback/Questions/Ask Questions.
- FirstGov.gov**: The U.S. Government's Official Web Portal.
- Navigation**: Links for Home, News, Organization, and a Search bar.
- Options**: A dropdown menu set to "Pick WFO" and a "Go" button.
- Cities In SLC**: A map of Utah showing various cities. The map is dated "10/06/2006 12:10 AM MDT".
- Map Controls**: Checkboxes for Topo, Gauges, Counties, States, Major Rivers, Other Rivers, Highways, Cities, and Names.
- Message**: "The cities were successfully updated. If the image is cached, you may need to reload this page to see the update properly."
- Table**: A table listing cities with their Latitude, Longitude, Location, Horizontal Offset, Vertical Offset, and Active status. Each row has a "Delete" button.

City	Latitude	Longitude	Location	Horizontal Offset	Vertical Offset	Active
Antimony	38.100000	-111.970000	Right	No offset	No offset	Yes
Big Poney	42.540000	-110.110000	Right	No offset	No offset	Yes
Blancing	37.520000	-109.470000	Right	No offset	No offset	Yes

Figure 9A: City Layer Editor Page

Description of Items:

City	Label name (City Name)
Latitude	Latitude in decimal degrees for plot
Longitude	Longitude in decimal degrees for plot
Location (label)	Original orientation of label in relation to plot
Horizontal Offset	Offset left or right in relation to original label location
Vertical Offset	Offset up or down in relation to original label location
Active	Whether or not to display configured plot Yes/No

The screenshot shows the City Layer Editor interface. It features a blue sidebar on the left. The main area contains two sections for editing wells. The top section has input fields for 'Wells' (41.110000, -114.940000) and 'Wendover' (40.740000, -114.030000), each with a 'Right' dropdown, 'No offset' dropdown, 'No offset' dropdown, 'Yes' dropdown, and a 'Delete' button. Below these are 'Preview', 'Update', and 'Cancel' buttons. The bottom section has a table with columns: City, Latitude, Longitude, Location, Horizontal Offset, Vertical Offset, Active, and Command. The 'City' field is empty, and the 'Location' dropdown is set to 'Right'. Below the table is a 'Return to Layers' button.

Figure 9B: City Layer Editor Add/Preview/Update

Just as with the other Layer editors, users can add new plots and labels to the selected layer using the tools located to the bottom of the editor page. Once a new plot has been added it can be preview and adjusted accordingly if needed. Once all edits have been completed users can exit this layer editor by selecting

Return to Layers

Highway Layers Editor

The final configurable layer item is the Highways Layer. Users have the ability to label major highways that have been pre-drawn on their HSA maps. The labeling process involves inputting latitude and longitude for a highway marker label and defining what type of marker label goes with the highway being labeled. Several labels have been predefined within the AHPS CMS for the highways, however it may be a WFOs decision to label more of the available highways to provide end users with more detail.

CMS Category
AHPS
NWS WFO
Logout

About AHPS CMS
FAQ / Help

Feedback/Questions
Ask Questions

FIRSTGOV.GOV
The U.S. Government's Official Web Portal

Highways In SLC

10/06/2006 12:30 AM MDT

Highway	Latitude	Longitude	Marker	Highway Number	Active
Interstate (OR/ID/UT) 84	42.033998	-112.850100		84	Yes Delete
Interstate (OR/ID/UT) 84	41.421988	-112.054649		84	Yes Delete
Interstate (OR/ID/UT) 84	41.080641	-111.706864		84	Yes Delete
Interstate 15	42.363667	-112.204492		15	Yes Delete
Interstate 15	40.990658	-111.896860		15	Yes Delete
Interstate 15	39.629729	-111.859196		15	Yes Delete
Interstate 70	39.143487	-108.747475		70	Yes Delete
Interstate 80	40.732550	-111.553459		80	Yes Delete

[Preview](#) [Update](#)

Highway	Latitude	Longitude	Marker	Highway Number	Active	Command
<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	Yes Delete	New

[Return to Layers](#)

Figure 10A: Highway Layer Editor

Description of Items:

Highway	Name of Highway
Latitude	Latitude in decimal degrees where Marker will be plotted
Longitude	Longitude in decimal degrees where Marker will be plotted
Marker	Type of marker to be used in plot:
Highway Number	Number / Letter used to label Marker
Active	Whether or not to display the defined Marker. Yes/No

To add a highway marker you will fill in the items above using the form located at the bottom of the layer editor page.



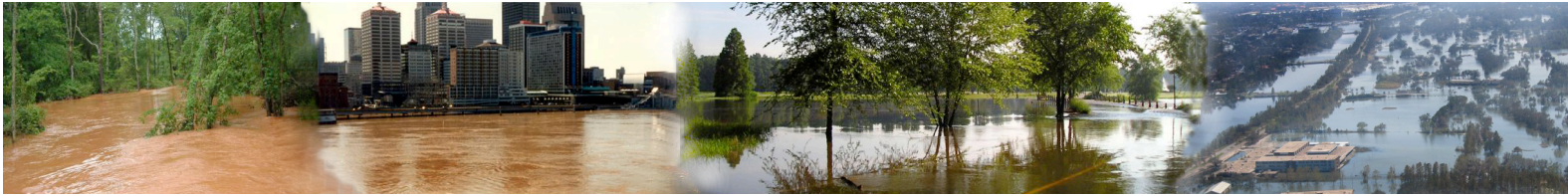
The National Weather Service

Guide for AHPS Gauge Photo Tool

Version 1.2



©2010 Office of Hydrologic Development



Background

The AHPS Gauge Photo Upload Tool was designed to allow NWS AHPS users to upload and edit AHPS Gauge Photo Information within a uniform interface for all Regions. This tool eliminates the need to store gauge photos in a directory within the Regional Systems and prevents errant file naming from hindering the display of the images.

The tool can be accessed at:

https://collaborate.werh.noaa.gov/ahps/photo_upload/index.php

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

The username is your full NOAA email address

NOAA Email Password

Figure 1: AHPS Gauge Photo Tool Login page



Functionality

Interface

The AHPS Gauge Photo Tool interface requires 5 steps to be completed to ensure a successful upload:

Login

WFO Selection

NWSLI Selection

Image File Browse/Preview

Upload of File

Add/Edit Photo Caption Information (AHPS CMS)

Login

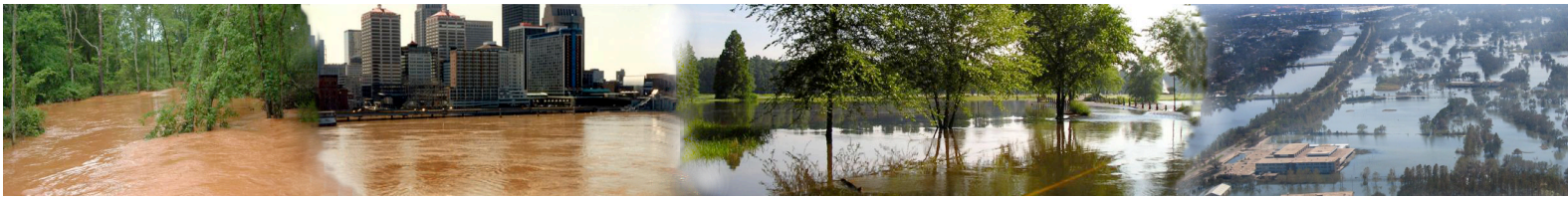
Users will notice within the AHPS CMS that the usual photo management area has been replaced with a link to the new AHPS Photo Management Tool. Users can click the “click here” to be directed to the tool.

(https://collaborate.werh.noaa.gov/ahps/photo_upload/index.php)

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).

Figure 2: AHPS CMS Link Area



Once users have clicked the link they will be directed to the server in Eastern Region that hosts the tool. Depending on whether or not users have been to this server/tool before and how their machine handles cookies, users may be prompted with a login as shown in *Figure 3*.

*****Please Note: The login to this server should be in the format of firstname.lastname and DOES NOT need to include @noaa.gov. Whereas the Photo Upload Tool login that follows this login requires the full email address format.**

Figure 3: ER Digital Support Services Server Login

The login page of the AHPS Photo Management Tool (seen below). Users will need to login using the same login that they use with the AHPS CMS (**full** NOAA email address eg.. john.doe@noaa.gov).

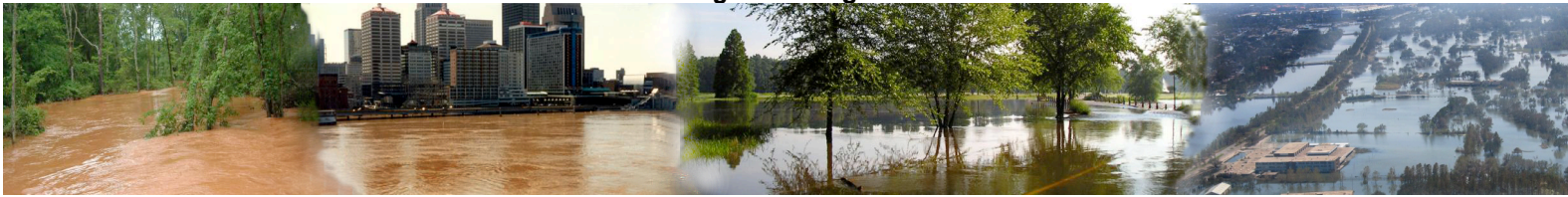
Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

The username is your full NOAA email address

NOAA Email Password

Figure 4: Login Screen



WFO Selection

After users have logged in they will be directed to a page that will display the username and a dropdown selection menu that will contain the WFO/HSA that the user has access to. Next, the user will need to select the WFO/HSA that the desired sensor is associated with from the menu.

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

NWSLID

Figure 5: Successful Login Page

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

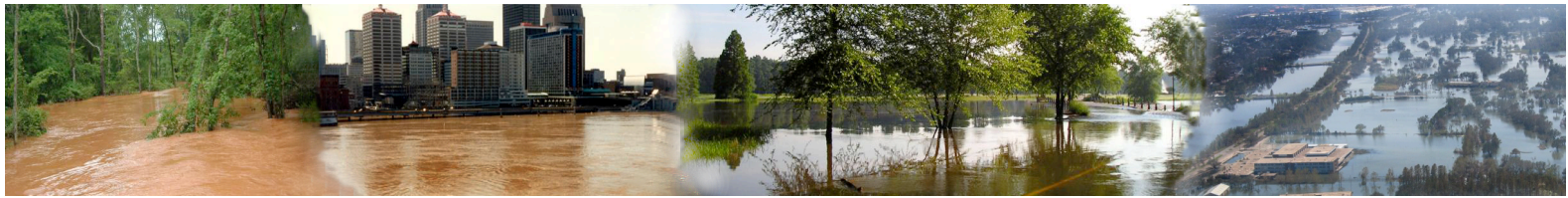
Login successful.

WFO

Select A WFO

ABQ
ABR
AKQ
ALY
AMA
APX
ARX
BGM
BIS
BMX
BOI
BOU
BOX
BRO
BTV
BUF
BYZ
CAE

Figure 6: Selection of WFO



NWSLI Selection

After users have selected the desired WFO, they will be taken to another screen that will provide an NWSLI dropdown selection menu. Users will simply click the menu (sorted alphabetically) and choose the site ID that they would like to upload an image for. (See **Figure 7** below.)

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

NWSLID

Select A NWSLID Choose

Select A NWSLID
ALLM1
ATGM1
BBRM1
BLAM1
BPRM1
CTGM1
DICM1
DOVM1
EDDM1
FIHM1
FTKM1
GRNM1
MASM1
MATM1
MFDM1
NINM1
PSBM1
STFB3
TINB3

Figure 7: NWSLI Selection

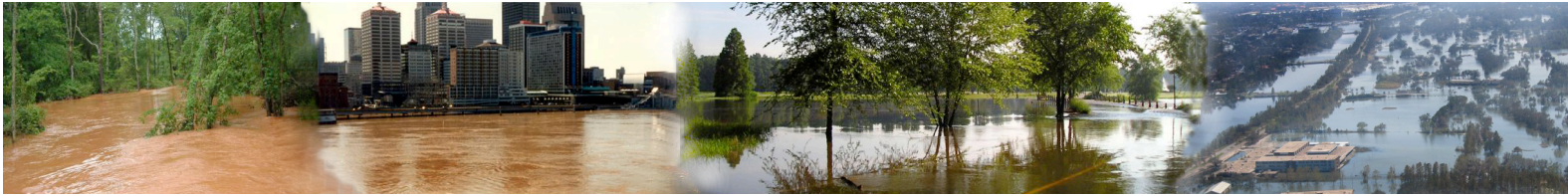


Image File Browse/Preview

After users have successfully located and selected the appropriate NWSLI, they will then be provided with an interface in which to select a local image file. Users will click the **Browse...** button to bring up the file selection window. After users have selected the desired file, users can click **Preview** to view the file within the interface. A nice feature of the tool is that the file can have any name when it is uploaded into the tool, as the naming feature used to be a big issue when it came to uploading photos.

Gauge Photo Upload Tool

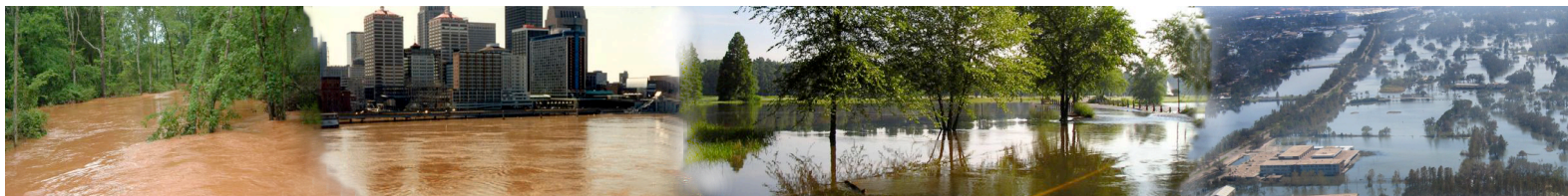
Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

Gauge Photo

Browse...**Preview**

Figure 8: Image File Browse/Preview Page



Upload of File

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)



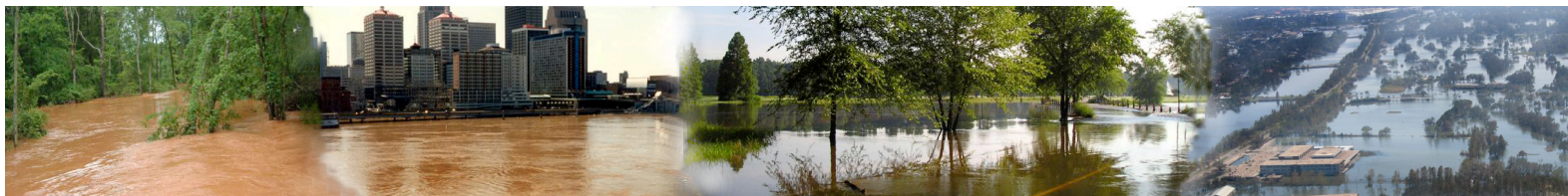
Upload

Figure 9: Sample Photo Selected and Previewed

After users have selected their desired image file and previewed the image to ensure it will display the way they wish, they should click

Upload

to move the image file to the AHPS servers.



Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

The gauge photo was uploaded successfully.

The uploaded gauge photo will be available on the corresponding gauge edit page within 20 minutes. Once available please edit the caption for your photo and it will be presented on the appropriate ahps pages.

[Upload another photo for this location.](#)

[Upload photos to a new location.](#)

Figure 10: Successful Upload Confirmation Screen

When users have successfully uploaded their desired image they will be directed to a page where they can either upload additional photos for this location, choose to upload images to another location within the area of their responsibility, or simply log out of the tool. After the 20-minute period has passed, please login to the AHPS CMS and navigate to the corresponding "Gauge edit" page and edit the captions of the images so they will display on the hydrograph pages. See below:

Photo

Photos with no caption specified will not display on the hydrograph page. If you would like to upload photos [click here](#).



Edit

Move Down

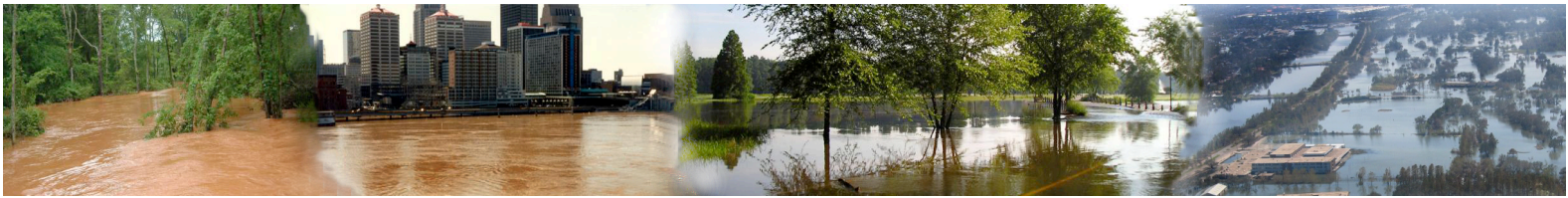


Fish River on 4/30/2008 flooded at 13.8 feet

Edit


Move Up

Figure 11: Caption/Photo Edit Area Gauge Edit Page (AHPS CMS)



Users will simply need to click [Edit](#) located out the right of the image thumbnail to access the area where they can add the text for the caption. See below:

[Back To Gauge](#)



Caption for fihm1.jpg:

[Delete](#)
[Update](#)

Figure 12: Caption Text Edit Area (AHPS CMS)

After the text has been input, users will click [Update](#) to add the caption to the image. User will see a confirmation text appear below the [Update](#) button shown below. To return to the Gauge Edit Page, users will need to click "[Back To Gauge](#)" located just above the image. Once this has been completed users will be able to view the images on the hydrograph page, see below.

Flood Impacts & Photos

Collapse

13 MAJOR FLOODING - DOZENS OF HOMES/CAMPS INUNDATED FROM PORTAGE LAKE TO ST. FROID LAKE TO EAGLE LAKE AND BEYOND. RIVER OVERTOPS THE DECKING OF THE MAIN STREET BRIDGE IN FORT KENT. BLOCKHOUSE AREA AND MUCH OF WEST MAIN STREET IN FORT KENT INUNDATED. EVACUATIONS PROBABLE.

12 MODERATE FLOODING - HOMES IN THE SOLDIER POND AREA OF WALLAGRASS THREATENED. WEST APPROACH OF SOLDIER POND BRIDGE INUNDATED AND BRIDGE CLOSED. EVACUATIONS POSSIBLE.

11 MINOR FLOODING - CAMPS/HOMES THREATENED ON THE FISH RIVER CHAIN OF LAKES.

10 RIVER APPROACHES BANKFULL.

Photos

(1) [Fish River above Fort Kent](#)

(2) [Fish River on 4/30/2008 flooded at 13.8 feet](#)

About This Location

Collapse

Latitude: 47.237500° N, Longitude: 68.582778° W, Horizontal Datum: NAD83/WGS84

Figure 13: Available Photos on Hydrograph Page

This concludes the photo upload tool document.